APPENDIX
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```
15   DEFINE VARIABLE "bcv_groupid"
       TYPE STRING RETAINED
       DEFAULT ""
     END

20   DEFINE VARIABLE "cmd"
       TYPE STRING
       DEFAULT ""
     END

25   DEFINE VARIABLE "Command_Lock"
       TYPE INTEGER RETAINED
       DEFAULT 0
     END

30   DEFINE VARIABLE "PAUSEIO_Lock"
     /* When PAUSEIO_Lock is set, nothing happens except PAUSEIO stuff! */
       TYPE INTEGER RETAINED
       DEFAULT 0
     END

35   DEFINE VARIABLE GROUP "LocEstConf"
     /* This group is important in limiting the LocEstConf 1 pattern to one execution of */
     /* a particular set of commands.                                                   */
       TYPE STRING RETAINED
40     DEFAULT ""
     END

     DEFINE VARIABLE "Ignore_CmdPrompt"
       TYPE INTEGER RETAINED
45     DEFAULT 0
     END

     DEFINE VARIABLE GROUP "Routine_Queue"
     /* Routine queue is used whenever possible for logging or any time we are not */
50   /* concerned with how soon the command is performed such as with logging.    */
       TYPE STRING RETAINED
       DEFAULT ""
     END

55   DEFINE VARIABLE GROUP "Priority_Queue"
     /* Priority queue is for all Remote Copy commands except RC Start and INSTANT SPLIT. */
       TYPE STRING RETAINED
       DEFAULT ""
     END
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60      DEFINE VARIABLE GROUP "Immediate_Queue"
        /* Immediate queue is for all RC Start commands only (see RC_Start 1). */
         TYPE STRING RETAINED
         DEFAULT ""
65      END

        DEFINE VARIABLE GROUP "Flash_Queue"
        /* Flash is the highest precedence queue and is reserved for INSTANT SPLIT commands. */
         TYPE STRING RETAINED
70       DEFAULT ""
        END

        DEFINE VARIABLE GROUP "GroupNode"
         TYPE STRING RETAINED
75       DEFAULT ""
        END

        DEFINE VARIABLE "IX_pass"
         TYPE STRING RETAINED
80       DEFAULT "amsans pauserrid DONE"
        END

        DEFINE VARIABLE "IX_stop_diskio"
         TYPE STRING RETAINED
85       DEFAULT "pauseio"
        END

        DEFINE VARIABLE GROUP "LocEstSent"
         TYPE STRING RETAINED
90       DEFAULT ""
        END

        DEFINE VARIABLE GROUP "LocSplitSent"
         TYPE STRING RETAINED
95       DEFAULT ""
        END

        DEFINE VARIABLE GROUP "LocVerifyEst"
         TYPE STRING RETAINED
100      DEFAULT ""
        END

        DEFINE VARIABLE "LogName"
         TYPE STRING RETAINED
105      DEFAULT "RemoteCopy"
        END
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```
     DEFINE VARIABLE "node"
      TYPE STRING RETAINED
110   DEFAULT ""
     END

     DEFINE VARIABLE GROUP "RC_In_Progress"
      TYPE STRING RETAINED
115   DEFAULT ""
     END

     DEFINE VARIABLE GROUP "RDFSplitSent"
      TYPE STRING RETAINED
120   DEFAULT ""
     END

     DEFINE VARIABLE GROUP "RDF_In_Progress"
      TYPE STRING RETAINED
125   DEFAULT ""
     END

     DEFINE VARIABLE GROUP "RemEstSent"
      TYPE STRING RETAINED
130   DEFAULT ""
     END

     DEFINE VARIABLE GROUP "RemSplitSent"
      TYPE STRING RETAINED
135   DEFAULT ""
     END

     DEFINE VARIABLE GROUP "RemVerifySplit"
      TYPE STRING RETAINED
140   DEFAULT ""
     END

     DEFINE VARIABLE "symm_host"
      TYPE STRING RETAINED
145   DEFAULT "symm_nt"
     END

     DEFINE VARIABLE "x"
      TYPE STRING
150   DEFAULT ""
     END

     DEFINE VARIABLE "y"
      TYPE STRING
155   DEFAULT ""
```

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       END

       /* Patterns for group "Activate_DB" */

160    DEFINE "Activate_DB" 1
         MESSAGE "MI001: SP-AMS DATABASE <dbname> ACTIVATED BY <some means>."
         /*      --1---*--2---*---3----*---4----*----5----*6-*--7--*---8--- */
         TYPE ANY-SENDER OTHER VARIABLE-LENGTH
         PRIORITY 128
165      TOKEN KEYWORD 1 "MI001:"
         TOKEN FIXED 2 "SP-AMS"
         TOKEN FIXED 3 "DATABASE"
         TOKEN FIXED 5 "ACTIVATED"
         CREATE GroupNode:"GROUP1"
170      CREATE GroupNode:"GROUP2"
         CREATE GroupNode:"GROUP3"
         ACTION EVENT-REPORT
       "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=Activate_DB_1|T
       EXT=\_MESSAGE\"
175    END

       /* Patterns for group "CmdPrompt" */

       DEFINE "CmdPrompt" 1
180      MESSAGE "internal or external command, operable program or batch file."
         TYPE ANY-SENDER OTHER
         PRIORITY 128
         TOKEN KEYWORD 1 "INTERNAL"
         TOKEN FIXED 3 "EXTERNAL"
185      TOKEN FIXED 4 "COMMAND,"
         TOKEN FIXED 5 "OPERABLE"
         CONSTRAINT _HOSTID = "\symm_host\"
         SET Ignore_CmdPrompt = 1
         ACTION EVENT-REPORT
190      "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=CmdPrompt_1|T
       EXT=\_IMAGE\"
         END

       DEFINE "CmdPrompt" 2
195    /* The return of the command prompt to the telnet session of the symm NT signals */
       /* the release of the lock on the SYMAPI database file. Queued commands are then */
       /* sent to SYMCLI after setting the SPO Command_Lock. The SPO lock is freed only */
       /* in this pattern.                                  */
         MESSAGE "\?1\:\\>"
200      /*      ---1---- */
         TYPE ANY-SENDER OTHER
         PRIORITY 128
         TOKEN MASKED 1 "\?1\:\\>"
```

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```
       CONSTRAINT _HOSTID = "\symm_host\"
205    IF Ignore_CmdPrompt
         RESET Ignore_CmdPrompt
       ELSE
         IF !PAUSEIO_Lock
           IF ?Flash_Queue:_ALL > 0
210 /* ... then there is at least one command in the queue.                    */
    /* We use a character that can never show up in a command to separate them so */
    /* when we dump them all out we can extract one in this FIFO mechanism. The  */
    /* dump of "Flash_Queue:_ALL" then might look something like this:           */
    /* symmir -g GROUP3 verify_ symrdf -g GROUP2 -bcv split_ symmir -g GROUP1 verify_
215 */
    /* Add an underscore character to the end of the command, remove spaces and  */
    /* delete it from the queue:                                                 */
             SET cmd = "\Flash_Queue:_ALL {} -1\"
             IF \cmd[1,2]\ = " "
220            SET cmd = "\cmd " " -1\"
             ENDIF
             SET x = "\cmd\_"
             DESTROY Flash_Queue:x
             ACTION COMMAND "\cmd\"
225        ELSEIF ?Immediate_Queue:_ALL > 0
             SET cmd = "\Immediate_Queue:_ALL {} -1\"
             IF \cmd[1,2]\ = " "
               SET cmd = "\cmd " " -1\"
             ENDIF
230          SET x = "\cmd\_"
             DESTROY Immediate_Queue:x
             ACTION COMMAND "\cmd\"
           ELSEIF ?Priority_Queue:_ALL > 0
             SET cmd = "\Priority_Queue:_ALL {} -1\"
235          IF \cmd[1,2]\ = " "
               SET cmd = "\cmd " " -1\"
             ENDIF
             SET x = "\cmd\_"
             DESTROY Priority_Queue:x
240          ACTION COMMAND "\cmd\"
           ELSEIF ?Routine_Queue:_ALL > 0
             SET cmd = "\Routine_Queue:_ALL {} -1\"
             IF \cmd[1,2]\ = " "
               SET cmd = "\cmd " " -1\"
245          ENDIF
             SET x = "\cmd\_"
             DESTROY Routine_Queue:x
             ACTION COMMAND "\cmd\"
           ELSE
250 /* Nothing on any of the queues to do, free the lock (we free it only in this pattern and not */
    /* after message "internal or external command, operable program or batch file."): */
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              RESET  Command_Lock
            ENDIF
          ELSE
255         RESET  Command_Lock
          ENDIF
        ENDIF
        ACTION  EVENT-REPORT
        "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=CmdPrompt_2|T
260     EXT=\_IMAGE[1,2]\\\>"
        END

        /* Patterns for group "ExecuteCmd" */

265     DEFINE "ExecuteCmd" 1
        /* This pattern is used to control execution of commands from outside such as from the
        console or for timed commands. */
        /* Check the Command_Lock and perform the command if free, or place the command on
        the <precedence>_Queue if not:     */
270     MESSAGE "\*30\PROCESS <precedence> COMMAND: <command string>"
        /*      --1--*---2----*--3---*---4---- */
        TYPE  ANY-SENDER  OTHER  VARIABLE-LENGTH
        PRIORITY  128
        TOKEN  MASKED  1 "\*30\PROCESS"
275     TOKEN  KEYWORD  3 "COMMAND:"
        SET  cmd = "\_MESSAGE "  " 4\"
        SET  x = "\cmd\_"
        IF  _TOKEN2 = "FLASH"
          CREATE  Flash_Queue:x
280     ELSEIF  _TOKEN2 = "IMMEDIATE"
          CREATE  Immediate_Queue:x
        ELSEIF  _TOKEN2 = "PRIORITY"
          CREATE  Priority_Queue:x
        ELSEIF  _TOKEN2 = "ROUTINE"
285       CREATE  Routine_Queue:x
        ENDIF
        IF  !Command_Lock &  !PAUSEIO_Lock
          IF  ?Flash_Queue:_ALL > 0
            SET  cmd = "\Flash_Queue:_ALL {_} -1\"
290         IF  \cmd[1,2]\ = " "
              SET  cmd = "\cmd " " -1\"
            ENDIF
            SET  x = "\cmd\_"
            DESTROY  Flash_Queue:x
295         SET  Command_Lock = 1
            ACTION  COMMAND "\cmd\"
          ELSEIF  ?Immediate_Queue:_ALL > 0
            SET  cmd = "\Immediate_Queue:_ALL {_} -1\"
              IF  \cmd[1,2]\ = " "
```

```
300          SET  cmd = "\cmd " " -1\"
         ENDIF
         SET  x = "\cmd\_"
         DESTROY  Immediate_Queue:x
         SET  Command_Lock = 1
305      ACTION  COMMAND  "\cmd\"
       ELSEIF  ?Priority_Queue:_ALL > 0
         SET  cmd = "\Priority_Queue:_ALL {_} -1\"
         IF  \cmd[1,2]\ = " "
           SET  cmd = "\cmd " " -1\"
310      ENDIF
         SET  x = "\cmd\_"
         DESTROY  Priority_Queue:x
         SET  Command_Lock = 1
         ACTION  COMMAND  "\cmd\"
315      ELSEIF  ?Routine_Queue:_ALL > 0
         SET  cmd = "\Routine_Queue:_ALL {_} -1\"
         IF  \cmd[1,2]\ = " "
           SET  cmd = "\cmd " " -1\"
         ENDIF
320      SET  x = "\cmd\_"
         DESTROY  Routine_Queue:x
         SET  Command_Lock = 1
         ACTION  COMMAND  "\cmd\"
       ENDIF
325    ENDIF
       ACTION  EVENT-REPORT
       "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=ExecuteCmd_1|T
       EXT=\_MESSAGE\"
       END

330
       /* Patterns for group "RC_Start" */

       DEFINE  "RC_Start"  1
         MESSAGE  "START REMOTE COPY DISKGROUP <bcv_groupid> NODE <node>"
335      /*       --1--*--2---*-3--*----4----*------5------*-6--*--7--- */
         TYPE ANY-SENDER  OTHER
         PRIORITY  128
         TOKEN KEYWORD 2 "REMOTE"
         TOKEN FIXED 4 "DISKGROUP"
340      TOKEN FIXED 3 "COPY"
         TOKEN FIXED 6 "NODE"
         CONSTRAINT _HOSTID = "\symm_host\"
         SET bcv_groupid = _TOKEN5
         SET node = _TOKEN7
345      SET x = "\bcv_groupid\\node\"
         IF ?GroupNode:x
           SET RC_In_Progress:bcv_groupid = "\_IMAGE { } -1\"
```

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```
        CREATE  RemVerifySplit:bcv_groupid
        SET  x = "\bcv_groupid\"
350     CREATE  RemVerifySplit:x
        SET  cmd = "symmir -g \bcv_groupid\ -rdf -bcv -split verify"
        SET  x = "\cmd\_"
        /* ... add an underscore character to the end of the command and place it on the queue: */
        CREATE  Immediate_Queue:x
355     IF  !Command_Lock & !PAUSEIO_Lock
          IF  ?Flash_Queue:_ALL > 0
            SET  cmd = "\Flash_Queue:_ALL {_} -1\"
            IF  \cmd[1,2]\ = " "
              SET  cmd = "\cmd " " -1\"
360         ENDIF
            SET  x = "\cmd\_"
            DESTROY  Flash_Queue:x
            SET  Command_Lock = 1
            ACTION  COMMAND  "\cmd\"
365       ELSEIF  ?Immediate_Queue:_ALL > 0
            SET  cmd = "\Immediate_Queue:_ALL {_} -1\"
            IF  \cmd[1,2]\ = " "
              SET  cmd = "\cmd " " -1\"
            ENDIF
370         SET  x = "\cmd\_"
            DESTROY  Immediate_Queue:x
            SET  Command_Lock = 1
            ACTION  COMMAND  "\cmd\"
          ELSEIF  ?Priority_Queue:_ALL > 0
375         SET  cmd = "\Priority_Queue:_ALL {_} -1\"
            IF  \cmd[1,2]\ = " "
              SET  cmd = "\cmd " " -1\"
            ENDIF
            SET  x = "\cmd\_"
380         DESTROY  Priority_Queue:x
            SET  Command_Lock = 1
            ACTION  COMMAND  "\cmd\"
          ELSEIF  ?Routine_Queue:_ALL > 0
            SET  cmd = "\Routine_Queue:_ALL {_} -1\"
385         IF  \cmd[1,2]\ = " "
              SET  cmd = "\cmd " " -1\"
            ENDIF
            SET  x = "\cmd\_"
            DESTROY  Routine_Queue:x
390         SET  Command_Lock = 1
            ACTION  COMMAND  "\cmd\"
          ENDIF
        ENDIF
        ELSE
395       ACTION  EVENT-REPORT \
```

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```
        "TYPE=AL|CLASS=Host|INSTANCE=\_IMAGE { } -
1\|APPL=RemoteCopy|SEV=major|ALARMID=RC_Invalid_Diskgroup|" \
        "ALARMQUAL=\bcv_groupid\._IMAGE { } -1\._DT { }
2\|HELP=RemoteCopy/RC_Invalid_Diskgroup|TEXT=Remote Copy failed for " \
        "diskgroup \bcv_groupid\ on host \_IMAGE { } -1\. Invalid diskgroup nodename
combination!"
        ACTION  EVENT-REPORT  "TYPE=CO|CLASS=2200_Host|INSTANCE=\_IMAGE { } -
1\|COMMAND=REMOTE COPY FAILED \_IMAGE { } -3\"
     ENDIF
     ACTION  EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RC_Start_1|TEX
T=\_MESSAGE\"
     END


/* Patterns for group "RemNotSplit" */


DEFINE  "RemNotSplit"  1
     MESSAGE  "Not all devices in group '<diskgroup>' are in the 'Split' state."
     /*      -1-*-2-*---3---*4-*--5--*------6------*-7-*8-*-9-*--10---*--11-- */
     TYPE  ANY-SENDER  OTHER
     PRIORITY  128
     TOKEN  KEYWORD  1  "NOT"
     TOKEN  FIXED  3  "DEVICES"
     TOKEN  FIXED  4  "IN"
     TOKEN  FIXED  5  "GROUP"
     TOKEN  FIXED  9  "THE"
     TOKEN  FIXED  10  "'SPLIT'"
     CONSTRAINT  _HOSTID = "\symm_host\"
     CONSTRAINT  ?RemVerifySplit:_TOKEN6
     SET  bcv_groupid = "\_TOKEN6 {'} 1\"
     ACTION  EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\_R2||INSTANCE=\bcv_groupid\|Status=red|Message=\_ME
SSAGE\"
     ACTION  EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\_RL||INSTANCE=\bcv_groupid\|Status=red|Message=\_ME
SSAGE\"
     ACTION  EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\_RBCV||INSTANCE=\bcv_groupid\|Status=red|Message=\_
MESSAGE\"
     SET  x = RC_In_Progress:bcv_groupid
     ACTION  EVENT-REPORT
"TYPE=CO|CLASS=2200_Host|INSTANCE=\x\|COMMAND=REMOTE COPY FAILED
\bcv_groupid\"
     ACTION  COMMAND  "CLEAN UP \bcv_groupid\ FAIL"
     ACTION  EVENT-REPORT \
     "TYPE=AL|CLASS=Host|INSTANCE=\x\|APPL=RemoteCopy|SEV=major|ALARMID=RC_Re
mNotSplit|HELP=RemoteCopy/RC_RemNotSplit|" \
```

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```
        "ALARMQUAL=\bcv_groupid\.\x\.\_DT { } 2\|TEXT=Remote Copy failed for diskgroup
445  \bcv_groupid\ on host \x\.  Remote BCV not" \
        " split!"
        ACTION  EVENT-REPORT
       "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RemNotSplit_1|T
     EXT=\_MESSAGE\"
450  END

     DEFINE  "RemNotSplit"  2
        MESSAGE  "None of the devices in group '<diskgroup>' are in the 'Split' state."
        /*       -1--*2-*-3-*---4---*5-*--6--*------7------*-8-*9-*10-*--11---*--12-- */
455    TYPE  ANY-SENDER  OTHER
        PRIORITY  128
        TOKEN  KEYWORD  1  "NONE"
        TOKEN  FIXED  3  "THE"
        TOKEN  FIXED  4  "DEVICES"
460    TOKEN  FIXED  6  "GROUP"
        TOKEN  FIXED  11  "'SPLIT'"
        TOKEN  FIXED  12  "STATE."
        CONSTRAINT  _HOSTID = "\symm_host\"
        CONSTRAINT  ?RemVerifySplit:_TOKEN7
465    SET  bcv_groupid = "\_TOKEN7 {} 1\"
        ACTION  EVENT-REPORT
       "TYPE=AC|CLASS=\bcv_groupid\_R2|INSTANCE=\bcv_groupid\|Status=red|Message=\_ME
     SSAGE\"
        ACTION  EVENT-REPORT
470    "TYPE=AC|CLASS=\bcv_groupid\_RL|INSTANCE=\bcv_groupid\|Status=red|Message=\_ME
     SSAGE\"
        ACTION  EVENT-REPORT
       "TYPE=AC|CLASS=\bcv_groupid\_RBCV|INSTANCE=\bcv_groupid\|Status=red|Message=\_
     MESSAGE\"
475    SET  x = RC_In_Progress:bcv_groupid
        ACTION  EVENT-REPORT
       "TYPE=CO|CLASS=2200_Host|INSTANCE=\x\|COMMAND=REMOTE COPY FAILED
     \bcv_groupid\"
        ACTION  COMMAND  "CHECK VARS"
480    ACTION  COMMAND  "CLEAN UP \bcv_groupid\ FAIL"
        ACTION  EVENT-REPORT \

       "TYPE=AL|CLASS=Host|INSTANCE=\x\|APPL=RemoteCopy|SEV=major|ALARMID=RC_Re
     mNotSplit|HELP=RemoteCopy/RC_RemNotSplit|" \
485       "ALARMQUAL=\bcv_groupid\.\x\.\_DT { } 2\|TEXT=Remote Copy failed for diskgroup
     \bcv_groupid\ on host \x\.  Remote BCV not" \
          " split!"
        ACTION  EVENT-REPORT
       "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RemNotSplit_2|T
490  EXT=\_MESSAGE\"
        END
```

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```
     /* Patterns for group "RemSplitConf" */

495  DEFINE "RemSplitConf" 1
       MESSAGE "All devices in group '<bcv_groupid>' are in the 'Split' state."
       /*      -1-*---2---*3-*--4--*-------5-------*-6-*7-*-8-*---9---*--10-- */
       TYPE ANY-SENDER OTHER
       PRIORITY 128
500    TOKEN KEYWORD 1 "ALL"
       TOKEN FIXED 3 "IN"
       TOKEN FIXED 4 "GROUP"
       TOKEN FIXED 8 "THE"
       CONSTRAINT _HOSTID = "\symm_host\"
505    CONSTRAINT ?RemVerifySplit:_TOKEN5
       DESTROY RemVerifySplit:_TOKEN5
       SET bcv_groupid = "\_TOKEN5 {'} 1\"
       ACTION EVENT-REPORT
       "TYPE=AC|CLASS=\bcv_groupid\_R2|INSTANCE=\bcv_groupid\|Status=yellow|Message=\_
510  MESSAGE\"
       ACTION EVENT-REPORT
       "TYPE=AC|CLASS=\bcv_groupid\_RL|INSTANCE=\bcv_groupid\|Status=yellow|Message=\_
       MESSAGE\"
       ACTION EVENT-REPORT
515  "TYPE=AC|CLASS=\bcv_groupid\_RBCV|INSTANCE=\bcv_groupid\|Status=yellow|Message
     =\_MESSAGE\"
       DESTROY RemVerifySplit:bcv_groupid
       CREATE LocVerifyEst:_TOKEN5
       CREATE LocVerifyEst:bcv_groupid
520    ACTION EVENT-REPORT \

       "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC
       LAST = Remote_Split_Confirmed_\bcv_groupid\"
       /* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
525  containing the command: */
       ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symmir -g
       \bcv_groupid\ verify"
       ACTION EVENT-REPORT
       "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RemSplitConf_1|
530  TEXT=\_MESSAGE\"
       END

     /* Patterns for group "LocNotEst" */

535  DEFINE "LocNotEst" 1
       MESSAGE "Not all devices in group '<diskgroup>' are in the 'Synchronized or Restored'
       state."
       /*      -1-*-2-*---3---*4-*-5--*------6------*-7-*8-*-9-*-----10------*11*---12----*--13-- */
       TYPE ANY-SENDER OTHER
```

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```
540     PRIORITY 128
        TOKEN KEYWORD 1 "NOT"
        TOKEN FIXED 3 "DEVICES"
        TOKEN FIXED 5 "GROUP"
        TOKEN FIXED 10 "'SYNCHRONIZED"
545     TOKEN FIXED 13 "STATE."
        CONSTRAINT _HOSTID = "\symm_host\"
        CONSTRAINT ?LocVerifyEst:_TOKEN6
        SET bcv_groupid = "\_TOKEN6 {} 1\"
        ACTION EVENT-REPORT
550     "TYPE=AC|CLASS=\bcv_groupid\_M2|INSTANCE=\bcv_groupid\|Status=red|Message=\_M
        ESSAGE\"
        ACTION EVENT-REPORT
        "TYPE=AC|CLASS=\bcv_groupid\_LL|INSTANCE=\bcv_groupid\|Status=red|Message=\_ME
        SSAGE\"
555     ACTION EVENT-REPORT
        "TYPE=AC|CLASS=\bcv_groupid\_LBCV|INSTANCE=\bcv_groupid\|Status=red|Message=\_
        MESSAGE\"
        SET x = RC_In_Progress:bcv_groupid
        ACTION EVENT-REPORT
560     "TYPE=CO|CLASS=2200_Host|INSTANCE=\x\|COMMAND=REMOTE COPY FAILED
        \bcv_groupid\"
        ACTION COMMAND "CHECK VARS"
        ACTION COMMAND "CLEAN UP \bcv_groupid\ FAIL"
        ACTION EVENT-REPORT \
565
        "TYPE=AL|CLASS=Host|INSTANCE=\x\|APPL=RemoteCopy|SEV=major|ALARMID=RC_Lo
        cNotEst|ALARMQUAL=\bcv_groupid\.\x\._DT {} 2\|" \
        "HELP=RemoteCopy/RC_LocNotEst|TEXT=Remote Copy failed for diskgroup
        \bcv_groupid\ on host \x\. Local BCV not " \
570     "synchronized!"
        ACTION EVENT-REPORT
        "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocNotEst_1|TE
        XT=\_MESSAGE\"
        END
575
        DEFINE "LocNotEst" 2
        MESSAGE "None of the devices in group '<diskgroup>' are in the 'Synchronized or
        Restored' state."
        /*      -1--*2-*-3-*---4---*5-*--6--*------7------*-8-*9-*10-*-----11------*12*---13----*--14-- */
580     TYPE ANY-SENDER OTHER
        PRIORITY 128
        TOKEN KEYWORD 1 "NONE"
        TOKEN FIXED 3 "THE"
        TOKEN FIXED 4 "DEVICES"
585     TOKEN FIXED 11 "'SYNCHRONIZED"
        TOKEN FIXED 13 "RESTORED'"
        CONSTRAINT _HOSTID = "\symm_host\"
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```
        CONSTRAINT ?LocVerifyEst:_TOKEN7
        SET bcv_groupid = "\_TOKEN7 {} 1\"
590     ACTION EVENT-REPORT
        "TYPE=AC|CLASS=\bcv_groupid\_M2|INSTANCE=\bcv_groupid\|Status=red|Message=\_M
ESSAGE\"
        ACTION EVENT-REPORT
        "TYPE=AC|CLASS=\bcv_groupid\_LL|INSTANCE=\bcv_groupid\|Status=red|Message=\_ME
595 SSAGE\"
        ACTION EVENT-REPORT
        "TYPE=AC|CLASS=\bcv_groupid\_LBCV|INSTANCE=\bcv_groupid\|Status=red|Message=\_
MESSAGE\"
        SET x = RC_In_Progress:bcv_groupid
600     ACTION EVENT-REPORT
        "TYPE=CO|CLASS=2200_Host|INSTANCE=\x\|COMMAND=REMOTE COPY FAILED
\bcv_groupid\"
        ACTION COMMAND "CHECK VARS"
        ACTION COMMAND "CLEAN UP \bcv_groupid\ FAIL"
605     ACTION EVENT-REPORT \

        "TYPE=AL|CLASS=Host|INSTANCE=\x\|APPL=RemoteCopy|SEV=major|ALARMID=RC_Lo
cNotEst|ALARMQUAL=\bcv_groupid\.\x\.\_DT {} 2\" \
        "HELP=RemoteCopy/RC_LocNotEst|TEXT=Remote Copy failed for diskgroup
610 \bcv_groupid\ on host \x\. Local BCV not " \
        "synchronized!"
        ACTION EVENT-REPORT
        "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocNotEst_2|TE
XT=\_MESSAGE\"
615 END

        /* Patterns for group "LocEstConf" */

        DEFINE "LocEstConf" 1
620     MESSAGE "All devices in group '<bcv_groupid>' are in the 'Synchronized or Restored'
state."
        /*      -1-*---2---*3-*--4--*-------5--------*-6-*7-*-8-*------9------*10*---11----*--12-- */
        TYPE ANY-SENDER OTHER
        PRIORITY 128
625     TOKEN KEYWORD 2 "DEVICES"
        TOKEN FIXED 9 "'SYNCHRONIZED'"
        TOKEN FIXED 11 "'RESTORED'"
        CONSTRAINT _HOSTID = "\symm_host\"
        CONSTRAINT ?LocVerifyEst:_TOKEN5
630     SET bcv_groupid = "\_TOKEN5 {} 1\"
        IF !?LocEstConf:bcv_groupid
        /* This path means we got here for the first time. */
        ACTION EVENT-REPORT \
```

```
635    "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC
       LAST = Local_Establish_Confirmed_\bcv_groupid\"
         ACTION  EVENT-REPORT
       "TYPE=AC|CLASS=\bcv_groupid\_M2|INSTANCE=\bcv_groupid\|Status=green|Message=\_
       MESSAGE\"
640      ACTION  EVENT-REPORT
       "TYPE=AC|CLASS=\bcv_groupid\_LL|INSTANCE=\bcv_groupid\|Status=green|Message=\_
       MESSAGE\"
         ACTION  EVENT-REPORT
       "TYPE=AC|CLASS=\bcv_groupid\_LBCV|INSTANCE=\bcv_groupid\|Status=green|Message
645    =\_MESSAGE\"
         CREATE  LocEstConf:bcv_groupid
       ENDIF
       IF  ?RDF_In_Progress:_ALL = 0  &  !Command_Lock  &  !PAUSEIO_Lock
       /* Then there are no RDF establish commands processing...okay to do the PAUSEIO: */
650      DESTROY  LocEstConf:bcv_groupid
         SET  PAUSEIO_Lock = 1
         DESTROY  LocVerifyEst:_TOKEN5
         DESTROY  LocVerifyEst:bcv_groupid
         SET  y = "\RC_In_Progress:bcv_groupid\"
655      ACTION  EVENT-REPORT
       "TYPE=CO|CLASS=2200_Host|INSTANCE=\y\|COMMAND=\X_stop_diskio\"
       ELSE
       /* We have to wait to issue the PAUSEIO since there is an RDF establish in progress. */
       /* We just sent this message (image) in so it can match again. */
660      ACTION  COMMAND  WAIT  1  SECONDS  "\_IMAGE\"
       ENDIF
       ACTION  EVENT-REPORT
       "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocEstConf_1|T
       EXT=\_MESSAGE\"
665    END

       /* Patterns for group "LocSplitSent" */

       DEFINE "LocSplitSent" 1
670      MESSAGE  "\*30\CREATE LocSplitSent <bcv_groupid> <local split command>"
       /*          -----1-----*-----2------*------3------ */
       TYPE ANY-SENDER OTHER var
       PRIORITY 128
       TOKEN KEYWORD 2 "LOCSPLITSENT"
675    TOKEN MASKED 1 "\*30\CREATE"
       CREATE LocSplitSent:_TOKEN3
       SET x = ""\_TOKEN3\""
       CREATE LocSplitSent:x
       SET bcv_groupid = "\_TOKEN3\"
680    SET cmd = "\_MESSAGE "  " 4\"
```

14

```
/* This is a SPLIT command during the PAUSEIO critical period--make it Flash precedence.
*/
    SET x = "\cmd\_"
/* ... add an underscore character to the end of the command and place it on the queue: */
685    CREATE Flash_Queue:x
/* This pattern does not require a test of the locks since we cannot get here unless the */
/* PAUSEIO_Lock is set and the Command_Lock doesn't matter since we must have control
in */                                                                    */
/* this situation.
690    IF  ?Flash_Queue:_ALL > 0
       SET  cmd = "\Flash_Queue:_ALL {_} -1\"
       IF  \cmd[1,2]\ = " "
        SET  cmd = "\cmd " " -1\"
       ENDIF
695    SET  x = "\cmd\_"
       DESTROY Flash_Queue:x
       SET  Command_Lock = 1
       ACTION  COMMAND "\cmd\"
     ELSEIF  ?Immediate_Queue:_ALL > 0
700    SET  cmd = "\Immediate_Queue:_ALL {_} -1\"
       IF  \cmd[1,2]\ = " "
        SET  cmd = "\cmd " " -1\"
       ENDIF
       SET  x = "\cmd\_"
705    DESTROY  Immediate_Queue:x
       SET  Command_Lock = 1
       ACTION  COMMAND "\cmd\"
     ELSEIF  ?Priority_Queue:_ALL > 0
       SET  cmd = "\Priority_Queue:_ALL {_} -1\"
710    IF  \cmd[1,2]\ = " "
        SET  cmd = "\cmd " " -1\"
       ENDIF
       SET  x = "\cmd\_"
       DESTROY  Priority_Queue:x
715    SET  Command_Lock = 1
       ACTION  COMMAND "\cmd\"
     ELSEIF  ?Routine_Queue:_ALL > 0
       SET  cmd = "\Routine_Queue:_ALL {_} -1\"
       IF  \cmd[1,2]\ = " "
720     SET  cmd = "\cmd " " -1\"
       ENDIF
       SET  x = "\cmd\_"
       DESTROY  Routine_Queue:x
       SET  Command_Lock = 1
725    ACTION  COMMAND "\cmd\"
     ENDIF
     ACTION  EVENT-REPORT
"TYPE=DE|CLASS=\bcv_groupid\_LL|INSTANCE=\bcv_groupid\"
```

15

```
730   ACTION WAIT 1 SECONDS EVENT-REPORT \
      "TYPE=AC|CLASS=\bcv_groupid\_LL|INSTANCE=\bcv_groupid\|Status=yellow|Message=\_
      MESSAGE\"
      ACTION EVENT-REPORT
      "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocSplitSent_1|T
735   EXT=\_MESSAGE\"
      END

      /* Patterns for group "ResumeIO" */

740   DEFINE "ResumeIO" 1
      MESSAGE "symmir <bcv_groupid> CLI_C_SPLIT CLI_C_SUCCESS \"CLI call completed
      successfully.\""
      /*      --1---*------2-----*----3-----*------4------*--5--*-6--*----7----*-------8------- */
      TYPE ANY-SENDER OTHER
745   PRIORITY 128
      TOKEN KEYWORD 1 "SYMMIR"
      TOKEN FIXED 3 "CLI_C_SPLIT"
      TOKEN FIXED 4 "CLI_C_SUCCESS"
      TOKEN FIXED 5 "\"CLI"
750   TOKEN FIXED 8 "SUCCESSFULLY.\""
      CONSTRAINT _HOSTID = "\symm_host\"
      CONSTRAINT ?LocSplitSent:_TOKEN2
      RESET PAUSEIO_Lock
      ACTION EVENT-REPORT "TYPE=DE|CLASS=\_TOKEN2\_LL|INSTANCE=\_TOKEN2\"
755   ACTION WAIT 1 SECONDS EVENT-REPORT
      "TYPE=AC|CLASS=\_TOKEN2\_LL|INSTANCE=\_TOKEN2\|Status=yellow|Message=\_MES
      SAGE\"
      SET x = "\RC_In_Progress:_TOKEN2\"
      ACTION EVENT-REPORT
760   "TYPE=CO|CLASS=2200_Host|INSTANCE=\x\|COMMAND=\|X_pass\"
      SET cmd = "symmir -g \_TOKEN2\ -split verify"
      SET x = "\cmd\_"
      /* ... add an underscore character to the end of the command and place it on the queue: */
      CREATE Priority_Queue:x
765   IF !Command_Lock & !PAUSEIO_Lock
      IF ?Flash_Queue:_ALL > 0
       SET cmd = "\Flash_Queue:_ALL {} -1\"
       IF \cmd[1,2]\ = " "
        SET cmd = "\cmd " " -1\"
770   ENDIF
      SET x = "\cmd\_"
      DESTROY Flash_Queue:x
      SET Command_Lock = 1
      ACTION COMMAND "\cmd\"
775   ELSEIF ?Immediate_Queue:_ALL > 0
       SET cmd = "\Immediate_Queue:_ALL {} -1\"
```

16

```
        IF \cmd[1,2]\ = " "
          SET cmd = "\cmd " " -1\"
        ENDIF
780     SET x = "\cmd\_"
        DESTROY Immediate_Queue:x
        SET Command_Lock = 1
        ACTION COMMAND "\cmd\"
      ELSEIF ?Priority_Queue:_ALL > 0
785     SET cmd = "\Priority_Queue:_ALL {_} -1\"
        IF \cmd[1,2]\ = " "
          SET cmd = "\cmd " " -1\"
        ENDIF
        SET x = "\cmd\_"
790     DESTROY Priority_Queue:x
        SET Command_Lock = 1
        ACTION COMMAND "\cmd\"
      ELSEIF ?Routine_Queue:_ALL > 0
        SET cmd = "\Routine_Queue:_ALL {_} -1\"
795     IF \cmd[1,2]\ = " "
          SET cmd = "\cmd " " -1\"
        ENDIF
        SET x = "\cmd\_"
        DESTROY Routine_Queue:x
800     SET Command_Lock = 1
        ACTION COMMAND "\cmd\"
      ENDIF
    ENDIF
    ACTION EVENT-REPORT
805 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=ResumeIO_1|TE
    XT=\_MESSAGE\"
    END

    /* Patterns for group "LocSplitSent" */
810
    DEFINE "LocSplitSent" 2
      MESSAGE "symmir <bcv_groupid> CLI_C_VERIFY CLI_C_NONE_SPLIT \"NONE of the
    mirrored pairs are in the 'Split' state.\""
      /*       --1---*-----2------*-----3------*-------4--------*--5---*6-*-7-*---8----*--9--*10-*11*12-*--13---
815 *---14--- */
      TYPE ANY-SENDER OTHER
      PRIORITY 128
      TOKEN KEYWORD 3 "CLI_C_VERIFY"
      TOKEN FIXED 4 "CLI_C_NONE_SPLIT"
820   TOKEN FIXED 5 "\"NONE"
      TOKEN FIXED 13 "'SPLIT'"
      CONSTRAINT _HOSTID = "\symm_host\"
      CONSTRAINT ?LocSplitSent:_TOKEN2
      ACTION EVENT-REPORT "TYPE=DE|CLASS=\_TOKEN2\_LL|INSTANCE=\_TOKEN2\"
```

```
825    ACTION WAIT 1 SECONDS EVENT-REPORT
       "TYPE=AC|CLASS=\_TOKEN2\_LL|INSTANCE=\_TOKEN2\|Status=yellow|Message=\_MES
       SAGE\"
         SET cmd = "symmir -g \_TOKEN2\ -split verify"
         SET x = "\cmd\_"
830    /* ... add an underscore character to the end of the command and place it on the queue: */
         CREATE Priority_Queue:x
         IF !Command_Lock & !PAUSEIO_Lock
          IF ?Flash_Queue:_ALL > 0
           SET cmd = "\Flash_Queue:_ALL {_} -1\"
835        IF \cmd[1,2]\ = " "
            SET cmd = "\cmd " " -1\"
           ENDIF
           SET x = "\cmd\_"
           DESTROY Flash_Queue:x
840        SET Command_Lock = 1
           ACTION COMMAND "\cmd\"
          ELSEIF ?Immediate_Queue:_ALL > 0
           SET cmd = "\Immediate_Queue:_ALL {_} -1\"
           IF \cmd[1,2]\ = " "
845         SET cmd = "\cmd " " -1\"
           ENDIF
           SET x = "\cmd\_"
           DESTROY Immediate_Queue:x
           SET Command_Lock = 1
850        ACTION COMMAND "\cmd\"
          ELSEIF ?Priority_Queue:_ALL > 0
           SET cmd = "\Priority_Queue:_ALL {_} -1\"
           IF \cmd[1,2]\ = " "
            SET cmd = "\cmd " " -1\"
855        ENDIF
           SET x = "\cmd\_"
           DESTROY Priority_Queue:x
           SET Command_Lock = 1
           ACTION COMMAND "\cmd\"
860       ELSEIF ?Routine_Queue:_ALL > 0
           SET cmd = "\Routine_Queue:_ALL {_} -1\"
           IF \cmd[1,2]\ = " "
            SET cmd = "\cmd " " -1\"
           ENDIF
865        SET x = "\cmd\_"
           DESTROY Routine_Queue:x
           SET Command_Lock = 1
           ACTION COMMAND "\cmd\"
          ENDIF
870    ENDIF
```

18

```
      ACTION EVENT-REPORT
      "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocSplitSent_2|T
      EXT=\_MESSAGE\"
      END

875
      DEFINE "LocSplitSent" 3
        MESSAGE "symmir <bcv_groupid> CLI_C_VERIFY CLI_C_NOT_ALL_SPLIT \"NOT all of
      the mirrored pairs are in the 'Split' state.\""
        /*       --1---*------2------*-----3------*---------4---------*--5--*-6-*7-*-8-*---9----*-10--*11-*12*13-*--
880   14---*---15--- */
        TYPE ANY-SENDER OTHER
        PRIORITY 128
        TOKEN KEYWORD 3 "CLI_C_VERIFY"
        TOKEN FIXED 4 "CLI_C_NOT_ALL_SPLIT"
885     TOKEN FIXED 5 "\"NOT"
        TOKEN FIXED 9 "MIRRORED"
        TOKEN FIXED 14 "SPLIT'"
        CONSTRAINT _HOSTID = "\symm_host\"
        CONSTRAINT ?LocSplitSent:_TOKEN2
890     ACTION EVENT-REPORT "TYPE=DE|CLASS=\_TOKEN2\_LL|INSTANCE=\_TOKEN2\"
        ACTION WAIT 1 SECONDS EVENT-REPORT
      "TYPE=AC|CLASS=\_TOKEN2\_LL|INSTANCE=\_TOKEN2\|Status=yellow|Message=\_MES
      SAGE\"
        SET cmd = "symmir -g \_TOKEN2\ -split verify"
895     SET x = "\cmd\_"
      /* ... add an underscore character to the end of the command and place it on the queue: */
        CREATE Priority_Queue:x
        IF !Command_Lock & !PAUSEIO_Lock
         IF ?Flash_Queue:_ALL > 0
900       SET cmd = "\Flash_Queue:_ALL {} -1\"
          IF \cmd[1,2]\ = " "
           SET cmd = "\cmd " " -1\"
          ENDIF
          SET x = "\cmd\_"
905       DESTROY Flash_Queue:x
          SET Command_Lock = 1
          ACTION COMMAND "\cmd\"
         ELSEIF ?Immediate_Queue:_ALL > 0
          SET cmd = "\Immediate_Queue:_ALL {} -1\"
910       IF \cmd[1,2]\ = " "
           SET cmd = "\cmd " " -1\"
          ENDIF
          SET x = "\cmd\_"
          DESTROY Immediate_Queue:x
915       SET Command_Lock = 1
          ACTION COMMAND "\cmd\"
         ELSEIF ?Priority_Queue:_ALL > 0
          SET cmd = "\Priority_Queue:_ALL {} -1\"
```

19

```
920     IF \cmd[1,2]\ = " "
          SET cmd = "\cmd " " -1\"
        ENDIF
        SET x = "\cmd\_"
        DESTROY Priority_Queue:x
        SET Command_Lock = 1
925     ACTION COMMAND "\cmd\"
        ELSEIF ?Routine_Queue:_ALL > 0
          SET cmd = "\Routine_Queue:_ALL {_} -1\"
          IF \cmd[1,2]\ = " "
            SET cmd = "\cmd " " -1\"
930       ENDIF
          SET x = "\cmd\_"
          DESTROY Routine_Queue:x
          SET Command_Lock = 1
          ACTION COMMAND "\cmd\"
935     ENDIF
        ENDIF
        ACTION EVENT-REPORT
        "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocSplitSent_3|T
        EXT=\_MESSAGE\"
940     END

        /* Patterns for group "LocSplitConf" */

        DEFINE "LocSplitConf" 1
945       MESSAGE "All devices in group '<bcv_groupid>' are in the 'Split' state."
          /*      -1-*---2---*3-*--4--*-------5--------*-6-*7-*-8-*---9---*--10-- */
          TYPE ANY-SENDER OTHER
          PRIORITY 128
          TOKEN KEYWORD 1 "ALL"
950       TOKEN FIXED 2 "DEVICES"
          TOKEN FIXED 9 "'SPLIT'"
          TOKEN FIXED 10 "STATE."
          CONSTRAINT _HOSTID = "\symm_host\"
          CONSTRAINT ?LocSplitSent:_TOKEN5
955       DESTROY LocSplitSent:_TOKEN5
          SET bcv_groupid = "\_TOKEN5 {'} 1\"
          ACTION EVENT-REPORT \

          "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC
960     LAST = Local_Split_Confirmed_\bcv_groupid\"
          ACTION EVENT-REPORT
          "TYPE=AC|CLASS=\bcv_groupid\_M2|INSTANCE=\bcv_groupid\|Status=yellow|Message=\_
          MESSAGE\"
          ACTION EVENT-REPORT
965     "TYPE=AC|CLASS=\bcv_groupid\_LL|INSTANCE=\bcv_groupid\|Status=yellow|Message=\_
          MESSAGE\"
```

20

```
        ACTION EVENT-REPORT
        "TYPE=AC|CLASS=\bcv_groupid\_LBCV|INSTANCE=\bcv_groupid\|Status=yellow|Message
        =\_MESSAGE\"
970     DESTROY LocSplitSent:bcv_groupid
        CREATE RDF_In_Progress:_TOKEN5
        CREATE RDF_In_Progress:bcv_groupid
        /* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
        containing the command: */
975     ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symrdf -g
        \bcv_groupid\ -bcv -noecho -noprompt establish"
        ACTION EVENT-REPORT \

        "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC
980     LAST = RDF_Establish_Sent_\bcv_groupid\"
        ACTION EVENT-REPORT
        "TYPE=DE|CLASS=\bcv_groupid\_RDFL|INSTANCE=\bcv_groupid\"
        ACTION WAIT 1 SECONDS EVENT-REPORT \

985     "TYPE=AC|CLASS=\bcv_groupid\_RDFL|INSTANCE=\bcv_groupid\|Status=green|Message
        =\_MESSAGE\"
        ACTION EVENT-REPORT
        "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocSplitConf_1|T
        EXT=\_MESSAGE\"
990     END

        /* Patterns for group "RDF_InProg" */

        DEFINE "RDF_InProg" 1
995     MESSAGE "symrdf <bcv_groupid> CLI_C_ESTABLISH CLI_C_SUCCESS \"CLI call
        completed successfully.\""
        /*      --1---*------2------*-------3-------*------4------*--5--*-6--*----7----*-------8------- */
        TYPE ANY-SENDER OTHER
        PRIORITY 128
1000    TOKEN KEYWORD 3 "CLI_C_ESTABLISH"
        TOKEN FIXED 4 "CLI_C_SUCCESS"
        TOKEN FIXED 5 "\"CLI"
        TOKEN FIXED 8 "SUCCESSFULLY.\""
        CONSTRAINT _HOSTID = "\symm_host\"
1005    CONSTRAINT ?RDF_In_Progress:_TOKEN2
        SET bcv_groupid = "\_TOKEN2\"
        ACTION EVENT-REPORT \

        "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:_TOKEN2\|COMMAND=RCL
1010    AST = RDF_Establish_In_Progress_\bcv_groupid\"
        ACTION EVENT-REPORT
        "TYPE=DE|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2\"
```

```
      ACTION WAIT 1 SECONDS EVENT-REPORT
      "TYPE=AC|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2\|Status=green|Message=\_M
1015  ESSAGE\"
      SET cmd = "symrdf -g \_TOKEN2\ -bcv verify"
      SET x = "\cmd\_"
      /* ... add an underscore character to the end of the command and place it on the queue: */
      CREATE Priority_Queue:x
1020  IF !Command_Lock & !PAUSEIO_Lock
       IF ?Flash_Queue:_ALL > 0
        SET cmd = "\Flash_Queue:_ALL {_} -1\"
        IF \cmd[1,2]\ = " "
         SET cmd = "\cmd " " -1\"
1025   ENDIF
       SET x = "\cmd\_"
       DESTROY Flash_Queue:x
       SET Command_Lock = 1
       ACTION COMMAND "\cmd\"
1030   ELSEIF ?Immediate_Queue:_ALL > 0
        SET cmd = "\Immediate_Queue:_ALL {_} -1\"
        IF \cmd[1,2]\ = " "
         SET cmd = "\cmd " " -1\"
        ENDIF
1035    SET x = "\cmd\_"
        DESTROY Immediate_Queue:x
        SET Command_Lock = 1
        ACTION COMMAND "\cmd\"
       ELSEIF ?Priority_Queue:_ALL > 0
1040    SET cmd = "\Priority_Queue:_ALL {_} -1\"
        IF \cmd[1,2]\ = " "
         SET cmd = "\cmd " " -1\"
        ENDIF
        SET x = "\cmd\_"
1045    DESTROY Priority_Queue:x
        SET Command_Lock = 1
        ACTION COMMAND "\cmd\"
       ELSEIF ?Routine_Queue:_ALL > 0
        SET cmd = "\Routine_Queue:_ALL {_} -1\"
1050    IF \cmd[1,2]\ = " "
         SET cmd = "\cmd " " -1\"
        ENDIF
        SET x = "\cmd\_"
        DESTROY Routine_Queue:x
1055    SET Command_Lock = 1
        ACTION COMMAND "\cmd\"
       ENDIF
      ENDIF
```

```
1060   ACTION  EVENT-REPORT
       "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RDF_InProg_1|T
       EXT=\_MESSAGE\"
       END


       DEFINE "RDF_InProg" 2
1065     MESSAGE \
         "symrdf <bcv_groupid> CLI_C_VERIFY CLI_C_NONE_SYNCHRONIZED \"NONE of the
       mirrored pairs are in the 'Synchronized' " \
         /* --1---*------2------*-----3------*-----------4------------*--5---*6-*-7-*---8----*--9--*10-*11*12-*------
       13------* */ \
1070       "state.\""
         /* ---14--- */
         TYPE ANY-SENDER OTHER
         PRIORITY 128
         TOKEN KEYWORD 3 "CLI_C_VERIFY"
1075     TOKEN FIXED 4 "CLI_C_NONE_SYNCHRONIZED"
         TOKEN FIXED 5 "\"NONE"
         TOKEN FIXED 13 "'SYNCHRONIZED'"
         CONSTRAINT _HOSTID = "\symm_host\"
         CONSTRAINT ?RDF_In_Progress:_TOKEN2
1080     SET bcv_groupid = "\_TOKEN2\"
         ACTION  EVENT-REPORT
       "TYPE=DE|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2\"
         ACTION WAIT 1 SECONDS  EVENT-REPORT
       "TYPE=AC|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2\|Status=green|Message=\_M
1085   ESSAGE\"
       /* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
       containing the command: */
         ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symrdf -g
       \_TOKEN2\ -bcv verify"
1090     ACTION  EVENT-REPORT
       "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RDF_InProg_2|T
       EXT=\_MESSAGE\"
       END


1095   DEFINE "RDF_InProg" 3
         MESSAGE \
         "symrdf <bcv_groupid> CLI_C_VERIFY CLI_C_NOT_ALL_SYNCHRONIZED \"NOT all of
       the mirrored pairs are in the 'Synchronized'" \
         /* --1---*------2------*-----3------*-----------4------------*--5--*-6-*7-*-8-*---9----*-10--*11-*12*13-*-
1100   -----14------ */ \
         " state.\""
         /* *---15--- */
         TYPE ANY-SENDER OTHER
         PRIORITY 128
1105     TOKEN KEYWORD 3 "CLI_C_VERIFY"
         TOKEN FIXED 4 "CLI_C_NOT_ALL_SYNCHRONIZED"
```

```
TOKEN FIXED 5 "\"NOT"
TOKEN FIXED 14 "'SYNCHRONIZED'"
CONSTRAINT _HOSTID = "\symm_host\"
CONSTRAINT ?RDF_In_Progress:_TOKEN2
SET bcv_groupid = "\_TOKEN2\"
ACTION EVENT-REPORT
"TYPE=DE|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2\"
ACTION WAIT 1 SECONDS EVENT-REPORT
"TYPE=AC|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2\|Status=green|Message=\_M
ESSAGE\"
/* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
containing the command: */
ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symrdf -g
\_TOKEN2\ -bcv verify"
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RDF_InProg_3|T
EXT=\_MESSAGE\"
END


DEFINE "RDF_InProg" 4
MESSAGE \
"SYMRDF <bcv_groupid> CLI_C_ESTABLISH CLI_C_ALREADY_IN_STATE \"The
Device(s) is (are) already in the desired state or mode.\""
TYPE ANY-SENDER OTHER
PRIORITY 128
TOKEN KEYWORD 3 "CLI_C_ESTABLISH"
TOKEN FIXED 4 "CLI_C_ALREADY_IN_STATE"
TOKEN FIXED 9 "ALREADY"
TOKEN FIXED 13 "STATE"
CONSTRAINT _HOSTID = "\symm_host\"
CONSTRAINT ?RDF_In_Progress:_TOKEN2
SET bcv_groupid = "\_TOKEN2\"
ACTION EVENT-REPORT
"TYPE=DE|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2\"
ACTION WAIT 1 SECONDS EVENT-REPORT
"TYPE=AC|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2\|Status=green|Message=\_M
ESSAGE\"
/* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
containing the command: */
ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symrdf -g
\_TOKEN2\ -bcv verify"
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RDF_InProg_4|T
EXT=\_MESSAGE\"
END

/* Patterns for group "RDF_Est" */
```

1110
1115
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1145
1150

```
1155   DEFINE "RDF_Est" 1
         MESSAGE "All devices in the RDF group '<bcv_groupid>' are in the 'Synchronized' state."
         /*      -1-*---2---*3-*-4-*-5-*--6--*-------7-------*-8-*9-*10-*------11------*--12-- */
         TYPE ANY-SENDER OTHER
         PRIORITY 128
1160   TOKEN KEYWORD 1 "ALL"
         TOKEN FIXED 2 "DEVICES"
         TOKEN FIXED 5 "RDF"
         TOKEN FIXED 6 "GROUP"
         TOKEN FIXED 11 "'SYNCHRONIZED'"
1165   CONSTRAINT _HOSTID = "\symm_host\"
         CONSTRAINT ?RDF_In_Progress:_TOKEN7
         DESTROY RDF_In_Progress:_TOKEN7
         SET bcv_groupid = "\_TOKEN7 {} 1\"
         ACTION EVENT-REPORT \
1170
       "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC
       LAST = RDF_All_Synchronized_\bcv_groupid\"
         ACTION EVENT-REPORT
       "TYPE=AC|CLASS=\bcv_groupid\_LBCV|INSTANCE=\bcv_groupid\|Status=green|Message
1175   =\_MESSAGE\"
         ACTION EVENT-REPORT
       "TYPE=AC|CLASS=\bcv_groupid\_RDFL|INSTANCE=\bcv_groupid\|Status=green|Message
       =\_MESSAGE\"
         ACTION EVENT-REPORT
1180   "TYPE=AC|CLASS=\bcv_groupid\_R2|INSTANCE=\bcv_groupid\|Status=green|Message=\_
       MESSAGE\"
         DESTROY RDF_In_Progress:bcv_groupid
         CREATE RDFSplitSent:_TOKEN7
         CREATE RDFSplitSent:bcv_groupid
1185   /* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
       containing the command: */
         ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symrdf -g
       \bcv_groupid\ -bcv -noprompt -noecho split"
         ACTION EVENT-REPORT \
1190
       "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC
       LAST = RDF_Split_Sent_\bcv_groupid\"
         ACTION EVENT-REPORT
       "TYPE=DE|CLASS=\bcv_groupid\_RDFL|INSTANCE=\bcv_groupid\"
1195   ACTION WAIT 1 SECONDS EVENT-REPORT \

       "TYPE=AC|CLASS=\bcv_groupid\_RDFL|INSTANCE=\bcv_groupid\|Status=yellow|Message
       =\_MESSAGE\"
         ACTION EVENT-REPORT
1200   "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RDF_Est_1|TEX
       T=\_MESSAGE\"
         END
```

25

```
/* Patterns for group "RDFSplitSent" */

DEFINE "RDFSplitSent" 1
  MESSAGE "symrdf <bcv_groupid> CLI_C_SPLIT CLI_C_SUCCESS \"CLI call completed
successfully.\""
  /*       --1---*------2------*-----3-----*------4-----*--5--*-6--*----7----*-------8------- */
  TYPE ANY-SENDER OTHER
  PRIORITY 128
  TOKEN KEYWORD 3 "CLI_C_SPLIT"
  TOKEN FIXED 4 "CLI_C_SUCCESS"
  TOKEN FIXED 5 "\"CLI"
  TOKEN FIXED 8 "SUCCESSFULLY.\""
  CONSTRAINT _HOSTID = "\symm_host\"
  CONSTRAINT ?RDFSplitSent:_TOKEN2
  SET bcv_groupid = "\_TOKEN2\"
  ACTION EVENT-REPORT \

"TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:_TOKEN2\|COMMAND=RCL
AST = RDF_Split_In_Progress_\bcv_groupid\"
  ACTION EVENT-REPORT
"TYPE=DE|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2\"
  ACTION WAIT 1 SECONDS EVENT-REPORT
"TYPE=AC|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2\|Status=yellow|Message=\_
MESSAGE\"
  SET cmd = "symrdf -g \_TOKEN2\ -bcv -failedover verify"
  SET x = "\cmd\_"
/* ... add an underscore character to the end of the command and place it on the queue: */
  CREATE Priority_Queue:x
  IF !Command_Lock & !PAUSEIO_Lock
   IF ?Flash_Queue:_ALL > 0
    SET cmd = "\Flash_Queue:_ALL {_} -1\"
    IF \cmd[1,2]\ = " "
     SET cmd = "\cmd " " -1\"
    ENDIF
    SET x = "\cmd\_"
    DESTROY Flash_Queue:x
    SET Command_Lock = 1
    ACTION COMMAND "\cmd\"
   ELSEIF ?Immediate_Queue:_ALL > 0
    SET cmd = "\Immediate_Queue:_ALL {_} -1\"
    IF \cmd[1,2]\ = " "
     SET cmd = "\cmd " " -1\"
    ENDIF
    SET x = "\cmd\_"
    DESTROY Immediate_Queue:x
    SET Command_Lock = 1
    ACTION COMMAND "\cmd\"
```

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      ELSEIF  ?Priority_Queue:_ALL > 0
        SET  cmd = "\Priority_Queue:_ALL {_} -1\"
        IF  \cmd[1,2]\ = " "
          SET  cmd = "\cmd " " -1\"
1255    ENDIF
        SET  x = "\cmd\_"
        DESTROY  Priority_Queue:x
        SET  Command_Lock = 1
        ACTION  COMMAND  "\cmd\"
1260    ELSEIF  ?Routine_Queue:_ALL > 0
        SET  cmd = "\Routine_Queue:_ALL {_} -1\"
        IF  \cmd[1,2]\ = " "
          SET  cmd = "\cmd " " -1\"
        ENDIF
1265    SET  x = "\cmd\_"
        DESTROY  Routine_Queue:x
        SET  Command_Lock = 1
        ACTION  COMMAND  "\cmd\"
      ENDIF
1270  ENDIF
      ACTION  EVENT-REPORT
      "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RDFSplitSent_1|
      TEXT=\_MESSAGE\"
      END

1275  DEFINE  "RDFSplitSent"  2
        MESSAGE \
          "symrdf <bcv_groupid> CLI_C_VERIFY CLI_C_NONE_FAILED_OVER \"NONE of the
      mirrored pairs are in the 'Failed Over' " \
                                                 *--5---*6-*-7-*---8----*--9--*10-*11*12-*--13---
      /* --1---*-----2------*----3------*----------4-----------
1280  *-14--* */ \
          "state.\""
      /* ---15--- */
        TYPE  ANY-SENDER  OTHER
1285    PRIORITY  128
        TOKEN  KEYWORD  3  "CLI_C_VERIFY"
        TOKEN  FIXED  4  "CLI_C_NONE_FAILED_OVER"
        TOKEN  FIXED  5  "\"NONE"
        TOKEN  FIXED  13  "'FAILED"
1290    TOKEN  FIXED  14  "OVER'"
        CONSTRAINT  _HOSTID = "\symm_host\"
        CONSTRAINT  ?RDFSplitSent:_TOKEN2
        SET  bcv_groupid = "\_TOKEN2\"
        ACTION  EVENT-REPORT
1295  ."TYPE=DE|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2\"
        ACTION  WAIT  1  SECONDS  EVENT-REPORT
        "TYPE=AC|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2\|Status=yellow|Message=\_
      MESSAGE\"
```

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```
         /* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
1300     containing the command: */
           ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symrdf -g
         \_TOKEN2\ -bcv -failedover verify"
           ACTION EVENT-REPORT
         "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RDFSplitSent_2|
1305     TEXT=\_MESSAGE\"
         END


         DEFINE "RDFSplitSent" 3
           MESSAGE \
             "symrdf <bcv_groupid> CLI_C_VERIFY CLI_C_NOT_ALL_FAILED_OVER \"NOT all of
1310     the mirrored pairs are in the 'Failed Over' " \
           /* --1---*------2------*-----3------*------------4------------*--5-*-6-*7-*-8-*---9----*-10--*11-*12*13-*--
         14---*-15--* */ \
             "state.\""
1315     /* ---16--- */
         TYPE ANY-SENDER OTHER
         PRIORITY 128
         TOKEN KEYWORD 3 "CLI_C_VERIFY"
         TOKEN FIXED 4 "CLI_C_NOT_ALL_FAILED_OVER"
1320     TOKEN FIXED 5 "\"NOT"
         TOKEN FIXED 9 "MIRRORED"
         TOKEN FIXED 14 "'FAILED"
         TOKEN FIXED 15 "OVER'"
         CONSTRAINT _HOSTID = "\symm_host\"
1325     CONSTRAINT ?RDFSplitSent:_TOKEN2
         SET bcv_groupid = "\_TOKEN2\"
         ACTION EVENT-REPORT
         "TYPE=DE|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2\"
           ACTION WAIT 1 SECONDS EVENT-REPORT
1330     "TYPE=AC|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2\|Status=yellow|Message=\_
         MESSAGE\"
         /* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
         containing the command: */
           ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symrdf -g
1335     \_TOKEN2\ -bcv -failedover verify"
           ACTION EVENT-REPORT
         "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RDFSplitSent_3|
         TEXT=\_MESSAGE\"
         END

1340
         /* Patterns for group "RDFSplitConf" */


         DEFINE "RDFSplitConf" 1
           MESSAGE "All devices in the RDF group '<bcv_groupid>' are in the 'Failed Over' state."
1345     /*      -1-*---2---*3-*-4-*-5-*--6--*-------7-------*-8-*9-*10-*--11---*-12--*--13-- */
         TYPE ANY-SENDER OTHER
```

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```
        PRIORITY 128
        TOKEN KEYWORD 1 "ALL"
        TOKEN FIXED 2 "DEVICES"
1350    TOKEN FIXED 5 "RDF"
        TOKEN FIXED 6 "GROUP"
        TOKEN FIXED 11 "'FAILED"
        TOKEN FIXED 12 "OVER'"
        CONSTRAINT _HOSTID = "\symm_host\"
1355    CONSTRAINT ?RDFSplitSent:_TOKEN7
        DESTROY RDFSplitSent:_TOKEN7
        SET bcv_groupid = "\_TOKEN7 {} 1\"
        ACTION EVENT-REPORT \

1360    "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC
        LAST = RDF_All_Failed_Over_\bcv_groupid\"
        ACTION EVENT-REPORT
        "TYPE=AC|CLASS=\bcv_groupid\_LBCV|INSTANCE=\bcv_groupid\|Status=yellow|Message
        =\_MESSAGE\"
1365    ACTION EVENT-REPORT
        "TYPE=AC|CLASS=\bcv_groupid\_RDFL|INSTANCE=\bcv_groupid\|Status=yellow|Message
        =\_MESSAGE\"
        ACTION EVENT-REPORT
        "TYPE=AC|CLASS=\bcv_groupid\_R2|INSTANCE=\bcv_groupid\|Status=yellow|Message=\_
1370    MESSAGE\"
        DESTROY RDFSplitSent:bcv_groupid
        CREATE LocEstSent:_TOKEN7
        CREATE LocEstSent:bcv_groupid
        /* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
        containing the command: */
1375    ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symmir -g
        \bcv_groupid\ -noprompt establish"
        ACTION EVENT-REPORT \

1380    "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC
        LAST = Local_BCV_Establish_Sent_\bcv_groupid\"
        ACTION EVENT-REPORT
        "TYPE=DE|CLASS=\bcv_groupid\_LL|INSTANCE=\bcv_groupid\"
        ACTION WAIT 1 SECONDS EVENT-REPORT \

1385    "TYPE=AC|CLASS=\bcv_groupid\_LL|INSTANCE=\bcv_groupid\|Status=green|Message=\_
        MESSAGE\"
        ACTION EVENT-REPORT
        "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RDFSplitConf_1|
1390    TEXT=\_MESSAGE\"
        END

        /* Patterns for group "LocEstSent" */
```

```
1395    DEFINE "LocEstSent" 1
          MESSAGE "symmir <bcv_groupid> CLI_C_ESTABLISH CLI_C_SUCCESS \"CLI call
        completed successfully.\""
          /*      --1--*------2------*------3--------*------4-----*--5--*-6--*----7----*------8------- */
          TYPE ANY-SENDER OTHER
1400      PRIORITY 128
          TOKEN KEYWORD 3 "CLI_C_ESTABLISH"
          TOKEN FIXED 4 "CLI_C_SUCCESS"
          TOKEN FIXED 5 "\"CLI"
          TOKEN FIXED 8 "SUCCESSFULLY.\""
1405      CONSTRAINT _HOSTID = "\symm_host\"
          CONSTRAINT ?LocEstSent:_TOKEN2
          SET bcv_groupid = "\_TOKEN2\"
          ACTION EVENT-REPORT \

1410    "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:_TOKEN2\|COMMAND=RCL
          AST = Local_BCV_Establish_In_Progress_\bcv_groupid\"
          ACTION EVENT-REPORT "TYPE=DE|CLASS=\_TOKEN2\_LL|INSTANCE=\_TOKEN2\"
          ACTION WAIT 1 SECONDS EVENT-REPORT
        "TYPE=AC|CLASS=\_TOKEN2\_LL|INSTANCE=\_TOKEN2\|Status=green|Message=\_MES
1415    SAGE\"
          SET cmd = "symmir -g \_TOKEN2\ verify"
          SET x = "\cmd\_"
        /* ... add an underscore character to the end of the command and place it on the queue: */
          CREATE Priority_Queue:x
1420    IF !Command_Lock & !PAUSEIO_Lock
          IF ?Flash_Queue:_ALL > 0
           SET cmd = "\Flash_Queue:_ALL {_} -1\"
           IF \cmd[1,2]\ = " "
            SET cmd = "\cmd " " -1\"
1425      ENDIF
          SET x = "\cmd\_"
          DESTROY Flash_Queue:x
          SET Command_Lock = 1
          ACTION COMMAND "\cmd\"
1430     ELSEIF ?Immediate_Queue:_ALL > 0
          SET cmd = "\Immediate_Queue:_ALL {_} -1\"
          IF \cmd[1,2]\ = " "
           SET cmd = "\cmd " " -1\"
          ENDIF
1435      SET x = "\cmd\_"
          DESTROY Immediate_Queue:x
          SET Command_Lock = 1
          ACTION COMMAND "\cmd\"
          ELSEIF ?Priority_Queue:_ALL > 0
1440      SET cmd = "\Priority_Queue:_ALL {_} -1\"
          IF \cmd[1,2]\ = " "
           SET cmd = "\cmd " " -1\"
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        ENDIF
        SET  x = "\cmd\_"
1445    DESTROY  Priority_Queue:x
        SET  Command_Lock = 1
        ACTION  COMMAND  "\cmd\"
      ELSEIF  ?Routine_Queue:_ALL > 0
        SET  cmd = "\Routine_Queue:_ALL {_} -1\"
1450    IF  \cmd[1,2]\ = " "
          SET  cmd = "\cmd " " -1\"
        ENDIF
        SET  x = "\cmd\_"
        DESTROY  Routine_Queue:x
1455    SET  Command_Lock = 1
        ACTION  COMMAND  "\cmd\"
      ENDIF
    ENDIF
    ACTION  EVENT-REPORT
1460 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocEstSent_1|T
    EXT=\_MESSAGE\"
    END


    DEFINE  "LocEstSent"  2
1465  MESSAGE  "Not all devices in group '<bcv_groupid>' are in the 'Synchronized or Restored'
    state."
        /*      -1-*-2-*---3---*4-*--5--*-------6--------*-7-*8-*-9-*-----10------*11*---12----*--13-- */
    TYPE  ANY-SENDER  OTHER
    PRIORITY  128
1470  TOKEN  KEYWORD  1  "NOT"
    TOKEN  FIXED  2  "ALL"
    TOKEN  FIXED  3  "DEVICES"
    TOKEN  FIXED  10  "'SYNCHRONIZED"
    TOKEN  FIXED  12  "RESTORED'"
1475  CONSTRAINT  _HOSTID = "\symm_host\"
    CONSTRAINT  ?LocEstSent:_TOKEN6
    SET  bcv_groupid = "\_TOKEN6 {'} 1\"
    ACTION  EVENT-REPORT
    "TYPE=DE|CLASS=\bcv_groupid\_LL|INSTANCE=\bcv_groupid\"
1480  ACTION  WAIT  1  SECONDS  EVENT-REPORT \

    "TYPE=AC|CLASS=\bcv_groupid\_LL|INSTANCE=\bcv_groupid\|Status=green|Message=\_
    MESSAGE\"
    /* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
1485  containing the command: */
    ACTION  WAIT  2  SECONDS  COMMAND  "PROCESS PRIORITY COMMAND: symmir -g
    \bcv_groupid\ verify"
    ACTION  EVENT-REPORT
    "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocEstSent_2|T
1490  EXT=\_MESSAGE\"
```

```
        END

        DEFINE "LocEstSent" 3
          MESSAGE "None of the devices in group '<bcv_groupid>' are in the 'Synchronized or
1495    Restored' state."
          /*     -1--*2-*-3-*---4---*5-*--6--*-------7-------*-8-*9-*10-*-----11------*12*---13----*--14-- */
          TYPE ANY-SENDER OTHER
          PRIORITY 128
          TOKEN KEYWORD 1 "NONE"
1500      TOKEN FIXED 3 "THE"
          TOKEN FIXED 4 "DEVICES"
          TOKEN FIXED 6 "GROUP"
          TOKEN FIXED 11 "'SYNCHRONIZED"
          TOKEN FIXED 14 "STATE."
1505      CONSTRAINT _HOSTID = "\symm_host\"
          CONSTRAINT ?LocEstSent:_TOKEN7
          SET bcv_groupid = "\_TOKEN7 {} 1\"
          ACTION EVENT-REPORT
        "TYPE=DE|CLASS=bcv_groupid\_LL|INSTANCE=\bcv_groupid\"
1510      ACTION WAIT 1 SECONDS EVENT-REPORT \

        "TYPE=AC|CLASS=\bcv_groupid\_LL|INSTANCE=\bcv_groupid\|Status=green|Message=\_
        MESSAGE\"
        /* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
1515    containing the command: */
          ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symmir -g
        \bcv_groupid\ verify"
          ACTION EVENT-REPORT
        "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocEstSent_3|T
1520    EXT=\_MESSAGE\"
        END

        /* Patterns for group "LocalEstConf" */

1525    DEFINE "LocalEstConf" 1
          MESSAGE "All devices in group '<bcv_groupid>' are in the 'Synchronized or Restored'
        state."
          /*     -1-*---2---*3-*--4--*-------5-------*-6-*7-*-8-*------9------*10*---11----*--12-- */
          TYPE ANY-SENDER OTHER
1530      PRIORITY 128
          TOKEN KEYWORD 1 "ALL"
          TOKEN FIXED 2 "DEVICES"
          TOKEN FIXED 4 "GROUP"
          TOKEN FIXED 9 "'SYNCHRONIZED"
1535      TOKEN FIXED 11 "RESTORED'"
          CONSTRAINT _HOSTID = "\symm_host\"
          CONSTRAINT ?LocEstSent:_TOKEN5
          DESTROY LocEstSent:_TOKEN5
```

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```
        SET  bcv_groupid = "\_TOKEN5 {} 1\"
1540    ACTION  EVENT-REPORT \

        "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC
        LAST = Local_BCV_All_Synchronized_\bcv_groupid\"
        ACTION  EVENT-REPORT
1545    "TYPE=AC|CLASS=\bcv_groupid\_M2|INSTANCE=\bcv_groupid\|Status=green|Message=\_
        MESSAGE\"
        ACTION  EVENT-REPORT
        "TYPE=AC|CLASS=\bcv_groupid\_LL|INSTANCE=\bcv_groupid\|Status=green|Message=\_
        MESSAGE\"
1550    ACTION  EVENT-REPORT
        "TYPE=AC|CLASS=\bcv_groupid\_LBCV|INSTANCE=\bcv_groupid\|Status=green|Message
        =\_MESSAGE\"
        DESTROY  LocEstSent:bcv_groupid
        CREATE  RemEstSent:_TOKEN5
1555    CREATE  RemEstSent:bcv_groupid
        /* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
        containing the command: */
        ACTION  WAIT 2 SECONDS  COMMAND "PROCESS PRIORITY COMMAND: symmir -g
        \bcv_groupid\ -bcv -rdf -noprompt establish"
1560    ACTION  EVENT-REPORT \

        "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC
        LAST = Remote_BCV_Establish_Sent_\bcv_groupid\"
        ACTION  EVENT-REPORT
1565    "TYPE=DE|CLASS=\bcv_groupid\_RL|INSTANCE=\bcv_groupid\"
        ACTION  WAIT 1 SECONDS  EVENT-REPORT \

        "TYPE=AC|CLASS=\bcv_groupid\_RL|INSTANCE=\bcv_groupid\|Status=green|Message=\_
        MESSAGE\"
1570    ACTION  EVENT-REPORT
        "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocalEstConf_1|
        TEXT=\_MESSAGE\"
        END

1575    /* Patterns for group "Rem_BCV_Est" */

        DEFINE "Rem_BCV_Est" 1
        MESSAGE  "symmir <bcv_groupid> CLI_C_ESTABLISH CLI_C_SUCCESS \"CLI call
        completed successfully.\""
1580    /*       --1---*------2------*------3-------*-----4------*--5--*-6--*----7----*------8------- */
        TYPE ANY-SENDER OTHER
        PRIORITY 128
        TOKEN KEYWORD 3 "CLI_C_ESTABLISH"
        TOKEN FIXED 4 "CLI_C_SUCCESS"
1585    TOKEN FIXED 5 "\"CLI"
        TOKEN FIXED 8 "SUCCESSFULLY.\""
```

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```
      CONSTRAINT _HOSTID = "\symm_host\"
      CONSTRAINT ?RemEstSent:_TOKEN2
      SET bcv_groupid = "\_TOKEN2\"
1590  ACTION EVENT-REPORT \

"TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:_TOKEN2\|COMMAND=RCL
AST = Remote_BCV_Establish_In_Progress_" \
        "\bcv_groupid\"
1595   ACTION EVENT-REPORT "TYPE=DE|CLASS=\_TOKEN2\_RL|INSTANCE=\_TOKEN2\"
       ACTION WAIT 1 SECONDS EVENT-REPORT
      "TYPE=AC|CLASS=\_TOKEN2\_RL|INSTANCE=\_TOKEN2\|Status=green|Message=\_MES
SAGE\"
       SET cmd = "symmir -g \_TOKEN2\ -bcv -rdf verify"
1600   SET x = "\cmd\_"
      /* ... add an underscore character to the end of the command and place it on the queue: */
       CREATE Priority_Queue:x
       IF !Command_Lock & !PAUSEIO_Lock
        IF ?Flash_Queue:_ALL > 0
1605      SET cmd = "\Flash_Queue:_ALL {_} -1\"
          IF \cmd[1,2]\ = " "
           SET cmd = "\cmd " " -1\"
          ENDIF
          SET x = "\cmd\_"
1610      DESTROY Flash_Queue:x
          SET Command_Lock = 1
          ACTION COMMAND "\cmd\"
        ELSEIF ?Immediate_Queue:_ALL > 0
          SET cmd = "\Immediate_Queue:_ALL {_} -1\"
1615      IF \cmd[1,2]\ = " "
           SET cmd = "\cmd " " -1\"
          ENDIF
          SET x = "\cmd\_"
          DESTROY Immediate_Queue:x
1620      SET Command_Lock = 1
          ACTION COMMAND "\cmd\"
        ELSEIF ?Priority_Queue:_ALL > 0
          SET cmd = "\Priority_Queue:_ALL {_} -1\"
          IF \cmd[1,2]\ = " "
1625       SET cmd = "\cmd " " -1\"
          ENDIF
          SET x = "\cmd\_"
          DESTROY Priority_Queue:x
          SET Command_Lock = 1
1630      ACTION COMMAND "\cmd\"
        ELSEIF ?Routine_Queue:_ALL > 0
          SET cmd = "\Routine_Queue:_ALL {_} -1\"
          IF \cmd[1,2]\ = " "
           SET cmd = "\cmd " " -1\"
```

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```
1635    ENDIF
        SET  x = "\cmd\_"
        DESTROY  Routine_Queue:x
        SET  Command_Lock = 1
        ACTION  COMMAND  "\cmd\"
1640    ENDIF
        ENDIF
        ACTION  EVENT-REPORT
        "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=Rem_BCV_Est_
        1|TEXT=\_MESSAGE\"
1645    END


        DEFINE  "Rem_BCV_Est"  2
          MESSAGE \
            "symmir <bcv_groupid> CLI_C_VERIFY CLI_C_NONE_SYNCHRONIZED \"NONE of the
1650    mirrored pairs are in the 'Synchronized' " \           *--5---*6-*-7-*---8----*--9--*10-*11*12-*------
          /* --1---*------2------*-----3------*----------4------------
        13------* */ \
            "state.\""
          /* ---14--- */
1655    TYPE ANY-SENDER OTHER
        PRIORITY 128
        TOKEN KEYWORD 3 "CLI_C_VERIFY"
        TOKEN FIXED 4 "CLI_C_NONE_SYNCHRONIZED"
        TOKEN FIXED 5 "\"NONE"
1660    TOKEN FIXED 13 "'SYNCHRONIZED'"
        CONSTRAINT _HOSTID = "\symm_host\"
        CONSTRAINT ?RemEstSent:_TOKEN2
        SET bcv_groupid = "\_TOKEN2\"
        ACTION EVENT-REPORT "TYPE=DE|CLASS=\_TOKEN2\_RL|INSTANCE=\_TOKEN2\"
1665    ACTION WAIT 1 SECONDS EVENT-REPORT
        "TYPE=AC|CLASS=\_TOKEN2\_RL|INSTANCE=\_TOKEN2\|Status=green|Message=\_MES
        SAGE\"
        /* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
        containing the command: */
        ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symmir -g
1670    \_TOKEN2\ -bcv -rdf verify"
        ACTION EVENT-REPORT
        "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=Rem_BCV_Est_
        2|TEXT=\_MESSAGE\"
1675    END


        DEFINE  "Rem_BCV_Est"  3
          MESSAGE \
            "symmir <bcv_groupid> CLI_C_VERIFY CLI_C_NOT_ALL_SYNCHRONIZED \"NOT all of
1680    the mirrored pairs are in the 'Synchronized'" \           *--5--*-6-*7-*-8-*---9----*-10--*11-*12*13-*-
          /* --1---*------2------*-----3------*----------4------------
        -----14------ */ \
```

```
                " state.\""
                /* *---15--- */
1685            TYPE ANY-SENDER OTHER
                PRIORITY 128
                TOKEN KEYWORD 3 "CLI_C_VERIFY"
                TOKEN FIXED 4 "CLI_C_NOT_ALL_SYNCHRONIZED"
                TOKEN FIXED 14 "'SYNCHRONIZED'"
1690            CONSTRAINT _HOSTID = "\symm_host\"
                CONSTRAINT ?RemEstSent:_TOKEN2
                SET bcv_groupid = "\_TOKEN2\"
                ACTION EVENT-REPORT "TYPE=DE|CLASS=\_TOKEN2\_RL|INSTANCE=\_TOKEN2\"
                ACTION WAIT 1 SECONDS EVENT-REPORT
1695            "TYPE=AC|CLASS=\_TOKEN2\_RL|INSTANCE=\_TOKEN2\|Status=green|Message=\_MES
                SAGE\"
                /* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
                containing the command: */
                ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symmir -g
1700            \_TOKEN2\ -bcv -rdf verify"
                ACTION EVENT-REPORT
                "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=Rem_BCV_Est_
                3|TEXT=\_MESSAGE\"
                END
1705
                DEFINE "Rem_BCV_Est" 4
                MESSAGE "All devices in group '<bcv_groupid>' are in the 'Synchronized or Restored'
                state."
                /*      -1-*---2---*3-*--4--*-------5-------*-6-*7-*-8-*------9------*10*---11----*--12-- */
1710            TYPE ANY-SENDER OTHER
                PRIORITY 128
                TOKEN KEYWORD 1 "ALL"
                TOKEN FIXED 2 "DEVICES"
                TOKEN FIXED 9 "'SYNCHRONIZED"
1715            TOKEN FIXED 10 "OR"
                TOKEN FIXED 11 "RESTORED'"
                CONSTRAINT _HOSTID = "\symm_host\"
                CONSTRAINT ?RemEstSent:_TOKEN5
                DESTROY RemEstSent:_TOKEN5
1720            SET bcv_groupid = "\_TOKEN5 {'} 1\"
                ACTION EVENT-REPORT \

                "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC
                LAST = Remote_BCV_All_Synchronized_\bcv_groupid\"
1725            ACTION EVENT-REPORT
                "TYPE=AC|CLASS=\bcv_groupid\_R2|INSTANCE=\bcv_groupid\|Status=green|Message=\_
                MESSAGE\"
                ACTION EVENT-REPORT
                "TYPE=AC|CLASS=\bcv_groupid\_RL|INSTANCE=\bcv_groupid\|Status=green|Message=\_
1730            MESSAGE\"
```

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```
      ACTION  EVENT-REPORT
      "TYPE=AC|CLASS=\bcv_groupid\_RBCV|INSTANCE=\bcv_groupid\|Status=green|Message
      =\_MESSAGE\"
      DESTROY  RemEstSent:bcv_groupid
1735  CREATE  RemSplitSent:bcv_groupid
      CREATE  RemSplitSent:_TOKEN5
      /* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
      containing the command: */
      ACTION  WAIT  2  SECONDS  COMMAND  "PROCESS PRIORITY COMMAND: symmir -g
1740  \bcv_groupid\ -bcv -rdf -noprompt split"
      ACTION  EVENT-REPORT \

      "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC
      LAST = Remote_BCV_Split_Sent_\bcv_groupid\"
1745  ACTION  EVENT-REPORT
      "TYPE=DE|CLASS=\bcv_groupid\_RL|INSTANCE=\bcv_groupid\"
      ACTION  WAIT  1  SECONDS  EVENT-REPORT \

      "TYPE=AC|CLASS=\bcv_groupid\_RL|INSTANCE=\bcv_groupid\|Status=yellow|Message=\_
1750  MESSAGE\"
      ACTION  EVENT-REPORT
      "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=Rem_BCV_Est_
      4|TEXT=\_MESSAGE\"
      END
1755
      /* Patterns for group "RemSplitSent" */

      DEFINE  "RemSplitSent"  1
      MESSAGE  "symmir <bcv_groupid> CLI_C_SPLIT CLI_C_SUCCESS \"CLI call completed
1760  successfully.\""
      /*        --1---*------2------*-----3-----*------4------*--5--*-6--*----7----*------8------- */
      TYPE  ANY-SENDER  OTHER
      PRIORITY  128
      TOKEN  KEYWORD  3  "CLI_C_SPLIT"
1765  TOKEN  FIXED  4  "CLI_C_SUCCESS"
      TOKEN  FIXED  5  "\"CLI"
      TOKEN  FIXED  8  "SUCCESSFULLY.\""
      CONSTRAINT  _HOSTID = "\symm_host\"
      CONSTRAINT  ?RemSplitSent:_TOKEN2
1770  SET  bcv_groupid = "\_TOKEN2\"
      ACTION  EVENT-REPORT \

      "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC
      LAST = Remote_BCV_Split_In_Progress_" \
1775  "\bcv_groupid\"
      ACTION  EVENT-REPORT  "TYPE=DE|CLASS=\_TOKEN2\_RL|INSTANCE=\_TOKEN2\"
```

```
        ACTION WAIT 1 SECONDS EVENT-REPORT
        "TYPE=AC|CLASS=\_TOKEN2\_RL|INSTANCE=\_TOKEN2\|Status=yellow|Message=\_ME
        SSAGE\"
1780    SET cmd = "symmir -g \_TOKEN2\ -bcv -rdf -split verify"
        SET x = "\cmd\_"
        /* ... add an underscore character to the end of the command and place it on the queue: */
        CREATE Priority_Queue:x
        IF !Command_Lock & !PAUSEIO_Lock
1785     IF ?Flash_Queue:_ALL > 0
          SET cmd = "\Flash_Queue:_ALL {_} -1\"
          IF \cmd[1,2]\ = "  "
           SET cmd = "\cmd " " -1\"
          ENDIF
1790      SET x = "\cmd\_"
          DESTROY Flash_Queue:x
          SET Command_Lock = 1
          ACTION COMMAND "\cmd\"
         ELSEIF ?Immediate_Queue:_ALL > 0
1795      SET cmd = "\Immediate_Queue:_ALL {_} -1\"
          IF \cmd[1,2]\ = "  "
           SET cmd = "\cmd " " -1\"
          ENDIF
          SET x = "\cmd\_"
1800      DESTROY Immediate_Queue:x
          SET Command_Lock = 1
          ACTION COMMAND "\cmd\"
         ELSEIF ?Priority_Queue:_ALL > 0
          SET cmd = "\Priority_Queue:_ALL {_} -1\"
1805      IF \cmd[1,2]\ = "  "
           SET cmd = "\cmd " " -1\"
          ENDIF
          SET x = "\cmd\_"
          DESTROY Priority_Queue:x
1810      SET Command_Lock = 1
          ACTION COMMAND "\cmd\"
         ELSEIF ?Routine_Queue:_ALL > 0
          SET cmd = "\Routine_Queue:_ALL {_} -1\"
          IF \cmd[1,2]\ = "  "
1815       SET cmd = "\cmd " " -1\"
          ENDIF
          SET x = "\cmd\_"
          DESTROY Routine_Queue:x
          SET Command_Lock = 1
1820      ACTION COMMAND "\cmd\"
         ENDIF
        ENDIF
```

```
      ACTION  EVENT-REPORT
      "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RemSplitSent_1|
1825  TEXT=\_MESSAGE\"
      END


      DEFINE  "RemSplitSent" 2
        MESSAGE "symmir <bcv_groupid> CLI_C_VERIFY CLI_C_NONE_SPLIT \"NONE of the
1830  mirrored pairs are in the 'Split' state.\""
        /*      --1---*------2------*-----3------*-------4--------*--5---*6-*-7-*---8----*--9--*10-*11*12-*--13---
      *---14--- */
      TYPE ANY-SENDER  OTHER
      PRIORITY  128
1835  TOKEN KEYWORD 3 "CLI_C_VERIFY"
      TOKEN FIXED 4 "CLI_C_NONE_SPLIT"
      TOKEN FIXED 5 "\"NONE"
      TOKEN FIXED 13 "'SPLIT'"
      CONSTRAINT _HOSTID = "\symm_host\"
1840  CONSTRAINT ?RemSplitSent:_TOKEN2
      SET bcv_groupid = "\_TOKEN2\"
        ACTION  EVENT-REPORT "TYPE=DE|CLASS=\_TOKEN2\_RL|INSTANCE=\_TOKEN2\"
        ACTION  WAIT 1 SECONDS EVENT-REPORT
      "TYPE=AC|CLASS=\_TOKEN2\_RL|INSTANCE=\_TOKEN2\|Status=yellow|Message=\_ME
1845  SSAGE\"
      /* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
      containing the command: */
        ACTION  WAIT 2 SECONDS  COMMAND  "PROCESS PRIORITY COMMAND: symmir -g
      \_TOKEN2\ -bcv -rdf -split verify"
1850   ACTION  EVENT-REPORT
      "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RemSplitSent_2|
      TEXT=\_MESSAGE\"
      END


1855  DEFINE "RemSplitSent" 3
        MESSAGE "symrdf <bcv_groupid> CLI_C_VERIFY CLI_C_NOT_ALL_SPLIT \"NOT all of
      the mirrored pairs are in the 'Split' state.\""
        /*      --1---*------2------*-----3------*---------4---------*--5--*-6-*7-*-8-*---9----*-10--*11-*12*13-*--
      14---*---15--- */
1860  TYPE ANY-SENDER  OTHER
      PRIORITY  128
      TOKEN KEYWORD 3 "CLI_C_VERIFY"
      TOKEN FIXED 4 "CLI_C_NOT_ALL_SPLIT"
      TOKEN FIXED 5 "\"NOT"
1865  TOKEN FIXED 9 "MIRRORED"
      TOKEN FIXED 14 "'SPLIT'"
      CONSTRAINT _HOSTID = "\symm_host\"
      CONSTRAINT ?RemSplitSent:_TOKEN2
      SET bcv_groupid = "\_TOKEN2\"
1870   ACTION  EVENT-REPORT "TYPE=DE|CLASS=\_TOKEN2\_RL|INSTANCE=\_TOKEN2\"
```

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```
    ACTION WAIT 1 SECONDS EVENT-REPORT
"TYPE=AC|CLASS=\_TOKEN2\_RL|INSTANCE=\_TOKEN2\|Status=yellow|Message=\_ME
SSAGE\"
/* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
containing the command: */
    ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symmir -g
\_TOKEN2\ -bcv -rdf -split verify"
    ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RemSplitSent_3|
TEXT=\_MESSAGE\"
END


/* Patterns for group "RemSplitDone" */


DEFINE "RemSplitDone" 1
    MESSAGE "All devices in group '<bcv_groupid>' are in the 'Split' state."
    /*      -1-*---2---*3-*--4--*-------5-------*-6-*7-*-8-*---9---*--10-- */
    TYPE ANY-SENDER OTHER
    PRIORITY 128
    TOKEN KEYWORD 1 "ALL"
    TOKEN FIXED 2 "DEVICES"
    TOKEN FIXED 4 "GROUP"
    TOKEN FIXED 8 "THE"
    TOKEN FIXED 9 "'SPLIT'"
    CONSTRAINT _HOSTID = "\symm_host\"
    CONSTRAINT ?RemSplitSent:_TOKEN5
    DESTROY RemSplitSent:_TOKEN5
    SET bcv_groupid = "\_TOKEN5 {} 1\"
    ACTION EVENT-REPORT \

"TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC
LAST = Remote_BCV_All_Split_\bcv_groupid\"
    ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\_R2|INSTANCE=\bcv_groupid\|Status=yellow|Message=\_
MESSAGE\"
    ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\_RL|INSTANCE=\bcv_groupid\|Status=yellow|Message=\_
MESSAGE\"
    ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\_RBCV|INSTANCE=\bcv_groupid\|Status=yellow|Message
=\_MESSAGE\"
    DESTROY RemSplitSent:bcv_groupid
    ACTION EVENT-REPORT \

"TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RE
MOTE COPY COMPLETE \bcv_groupid\"
    ACTION WAIT 2 SECONDS COMMAND "CLEAN UP \bcv_groupid\"
    ACTION EVENT-REPORT \
```

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1920   "TYPE=AL|CLASS=Host|INSTANCE=\RC_In_Progress:bcv_groupid\|APPL=RemoteCopy|S
       EV=Informational|ALARMID=RC_Complete|" \
         "ALARMQUAL=\bcv_groupid\.\RC_In_Progress:bcv_groupid\.\_DT { }
       2\|HELP=RemoteCopy/RC_Complete|TEXT=Remote Copy complete " \
         "for disk group \bcv_groupid\ on node \RC_In_Progress:bcv_groupid\"
1925     DESTROY  RC_In_Progress:bcv_groupid
         ACTION  EVENT-REPORT
       "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RemSplitDone_1
       |TEXT=\_MESSAGE\"
       END
1930
       /* Patterns for group "RC_Comp" */

       DEFINE "RC_Comp" 1
         MESSAGE "\*30\REMOTE COPY COMPLETE\*1\ <diskgroup>"
1935     /*       -----1-----*-2--*-----3------*-----4----- */
       TYPE ANY-SENDER OTHER
       PRIORITY 128
       TOKEN KEYWORD 2 "COPY"
       TOKEN MASKED 3 "COMPLETE\*1\"
1940   TOKEN MASKED 1 "\*30\REMOTE"
       CONSTRAINT _HOSTID = \symm_host\
       ACTION EVENT-REPORT
       "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:_TOKEN4\|COMMAND=REM
       OTE COPY COMPLETE \_TOKEN4\"
1945   ACTION COMMAND "CLEAN UP \_NEGTOKEN1\"
       ACTION EVENT-REPORT \

       "TYPE=AL|CLASS=Host|INSTANCE=\RC_In_Progress:_TOKEN4\|APPL=RemoteCopy|SEV
       =Informational|ALARMID=RC_Complete|" \
         "ALARMQUAL=\_TOKEN4\.\RC_In_Progress:_TOKEN4\.\_DT { }
1950   2\|HELP=RemoteCopy/RC_Complete|TEXT=Remote Copy complete for disk " \
         "group \_TOKEN4\ on node \RC_In_Progress:_TOKEN4\"
         DESTROY RC_In_Progress:_TOKEN4
         ACTION EVENT-REPORT
1955   "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RC_Comp_1|TE
       XT=\_MESSAGE\"
       END

       /* Patterns for group "CleanUp" */
1960
       DEFINE "CleanUp" 1
         MESSAGE "\*30\CLEAN UP <diskgroup> [FAIL]"
         /*      ----1-----*2-*-----3-----*--4--- */
       TYPE ANY-SENDER OTHER VARIABLE-LENGTH
1965   PRIORITY 128
       TOKEN KEYWORD 2 "UP"
```

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TOKEN MASKED 1 "\*30\CLEAN"
CONSTRAINT _HOSTID = \symm_host\
SET x = "\_TOKEN3\"
SET y = ""\_TOKEN3\""
DESTROY RC_In_Progress:x
DESTROY RemVerifySplit:x
DESTROY LocVerifyEst:x
DESTROY LocSplitSent:x
DESTROY RDF_In_Progress:x
DESTROY RDFSplitSent:x
DESTROY LocEstSent:x
DESTROY RemEstSent:x
DESTROY RemSplitSent:x
DESTROY RC_In_Progress:y
DESTROY RemVerifySplit:y
DESTROY LocVerifyEst:y
DESTROY LocSplitSent:y
DESTROY RDF_In_Progress:y
DESTROY RDFSplitSent:y
DESTROY LocEstSent:y
DESTROY RemEstSent:y
DESTROY RemSplitSent:y
ACTION COMMAND "CHECK VARS"
IF _TOKENS = 3
  ACTION WAIT 30 SECONDS EVENT-REPORT
"TYPE=DE|CLASS=\_TOKEN3\_M2|INSTANCE=\_TOKEN3\"
  ACTION WAIT 30 SECONDS EVENT-REPORT
"TYPE=DE|CLASS=\_TOKEN3\_LL|INSTANCE=\_TOKEN3\"
  ACTION WAIT 30 SECONDS EVENT-REPORT
"TYPE=DE|CLASS=\_TOKEN3\_LBCV|INSTANCE=\_TOKEN3\"
  ACTION WAIT 30 SECONDS EVENT-REPORT
"TYPE=DE|CLASS=\_TOKEN3\_RDFL|INSTANCE=\_TOKEN3\"
  ACTION WAIT 30 SECONDS EVENT-REPORT
"TYPE=DE|CLASS=\_TOKEN3\_R2|INSTANCE=\_TOKEN3\"
  ACTION WAIT 30 SECONDS EVENT-REPORT
"TYPE=DE|CLASS=\_TOKEN3\_RL|INSTANCE=\_TOKEN3\"
  ACTION WAIT 30 SECONDS EVENT-REPORT
"TYPE=DE|CLASS=\_TOKEN3\_RBCV|INSTANCE=\_TOKEN3\"
  ENDIF
  ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=CleanUp_1|TEX
T=\_MESSAGE\"
  END

DEFINE "CleanUp" 2
  MESSAGE "RESET LOCK\*1\ <lock_name>|ALL"
  TYPE ANY-SENDER OTHER
  PRIORITY 128
```

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2015    TOKEN KEYWORD 1 "RESET"
        TOKEN MASKED 2 "LOCK\*1\"
        CONSTRAINT _HOSTID = \symm_host\
        IF _TOKEN3 = "ALL"
          RESET Command_Lock
2020      RESET PAUSEIO_Lock
        ELSEIF _TOKEN3 = "COMMAND"
          RESET Command_Lock
        ELSEIF _TOKEN3 = "PAUSEIO"
          RESET PAUSEIO_Lock
2025    ENDIF
        ACTION EVENT-REPORT
        "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=CleanUp_2|TEX
        T=\_MESSAGE\"
        END

2030
        /* Patterns for group "CheckVars" */

        DEFINE "CheckVars" 1
          MESSAGE "\*30\CHECK VARS"
2035      /*       ----1-----*-2-- */
        TYPE ANY-SENDER OTHER
        PRIORITY 128
        TOKEN KEYWORD 2 "VARS"
        TOKEN MASKED 1 "\*30\CHECK"
        CONSTRAINT _HOSTID = \symm_host\
2040    ACTION EVENT-REPORT \

        "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\_DBNAME\|TEX
        T=Var  bcv_groupid:   +\bcv_groupid\+"
2045      ACTION EVENT-REPORT \

        "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\_DBNAME\|TEX
        T=Var  cmd:          +\cmd\+"
          ACTION EVENT-REPORT \

2050    "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\_DBNAME\|TEX
        T=Var  Command_Lock:   " \
          "+\Command_Lock\+"
          ACTION EVENT-REPORT \

2055    "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\_DBNAME\|TEX
        T=Var  PAUSEIO_Lock:   " \
          "+\PAUSEIO_Lock\+"
          ACTION EVENT-REPORT \

2060    "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\_DBNAME\|TEX
        T=Group Flash_Queue:   " \
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          "+\Flash_Queue:_ALL\+"
          ACTION EVENT-REPORT \

2065
          "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\_DBNAME\|TEX
          T=Group Immediate_Queue: " \
          "+\Immediate_Queue:_ALL\+"
          ACTION EVENT-REPORT \

2070
          "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\_DBNAME\|TEX
          T=Group Priority_Queue: " \
          "+\Priority_Queue:_ALL\+"
          ACTION EVENT-REPORT \

2075
          "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\_DBNAME\|TEX
          T=Group Routine_Queue:  " \
          "+\Routine_Queue:_ALL\+"
          ACTION EVENT-REPORT \

2080
          "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\_DBNAME\|TEX
          T=Group GroupNode:    +\GroupNode:_ALL\+"
          ACTION EVENT-REPORT \

2085
          "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\_DBNAME\|TEX
          T=Var IX_pass:      +\IX_pass\+"
          ACTION EVENT-REPORT \

2090
          "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\_DBNAME\|TEX
          T=Var IX_stop_diskio: +\IX_stop_diskio\+"
          ACTION EVENT-REPORT \

          "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\_DBNAME\|TEX
          T=Var LogName:      +\LogName\+"
2095
          ACTION EVENT-REPORT \

          "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\_DBNAME\|TEX
          T=Var node:        +\node\+"
          ACTION EVENT-REPORT \

2100
          "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\_DBNAME\|TEX
          T=Var symm_host:    +\symm_host\+"
          ACTION EVENT-REPORT \

2105      "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\_DBNAME\|TEX
          T=Group RemVerifySplit: " \
          "+\RemVerifySplit:_ALL\+"
          ACTION EVENT-REPORT \
```

```
2110    "TYPE=LG|CLASS=Host||INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\_DBNAME\|TEX
        T=Group LocVerifyEst:   " \
           "+\LocVerifyEst:_ALL\+"
         ACTION EVENT-REPORT \

2115    "TYPE=LG|CLASS=Host||INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\_DBNAME\|TEX
        T=Group LocSplitSent:   " \
           "+\LocSplitSent:_ALL\+"
         ACTION EVENT-REPORT \

2120    "TYPE=LG|CLASS=Host||INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\_DBNAME\|TEX
        T=Group RDF_In_Progress: " \
           "+\RDF_In_Progress:_ALL\+"
         ACTION EVENT-REPORT \

2125    "TYPE=LG|CLASS=Host||INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\_DBNAME\|TEX
        T=Group RDFSplitSent:    " \
           "+\RDFSplitSent:_ALL\+"
         ACTION EVENT-REPORT \

2130    "TYPE=LG|CLASS=Host||INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\_DBNAME\|TEX
        T=Group LocEstSent:      " \
           "+\LocEstSent:_ALL\+"
         ACTION EVENT-REPORT \

2135    "TYPE=LG|CLASS=Host||INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\_DBNAME\|TEX
        T=Group RemEstSent:      " \
           "+\RemEstSent:_ALL\+"
         ACTION EVENT-REPORT \

2140    "TYPE=LG|CLASS=Host||INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\_DBNAME\|TEX
        T=Group RemSplitSent:    " \
           "+\RemSplitSent:_ALL\+"
         ACTION EVENT-REPORT \

2145    "TYPE=LG|CLASS=Host||INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\_DBNAME\|TEX
        T=Group RC_In_Progress:  " \
           "+\RC_In_Progress:_ALL\+"
         ACTION EVENT-REPORT
         "TYPE=LG|CLASS=Host||INSTANCE=\LogName\|APPL=SPO|APPLQUAL=CheckVars_1|TE
2150    XT=\_MESSAGE\"
         END

         /* Patterns for group "login" */

2155    DEFINE "login" 1
          MESSAGE "login: (other stuff maybe)"
```

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```
/*      --1---*--2---*--3--*--4--- */
TYPE ANY-SENDER OTHER VARIABLE-LENGTH
PRIORITY 128
TOKEN KEYWORD 1 "LOGIN:"
CONSTRAINT _HOSTID = "\symm_host\"
ACTION COMMAND "login"
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=login_1|TEXT=\_
MESSAGE\"
END


DEFINE "login" 2
  MESSAGE "password:"
  /*      ----1---- */
  TYPE ANY-SENDER OTHER
  PRIORITY 127
  TOKEN KEYWORD 1 "PASSWORD:"
  CONSTRAINT _HOSTID = "\symm_host\"
  ACTION PASSWORD "password"
  ACTION COMMAND WAIT 1 SECONDS "prompt $N:\\$G$_"
  ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=login_2|TEXT=\_
MESSAGE\"
END
```

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